

## UTAH PPA END OF YEAR REPORT FFY2016



*Photo courtesy Norm Erikson, Utah Division of Air Quality*

**UTAH DEPARTMENT OF ENVIRONMENTAL QUALITY  
and  
U.S. ENVIRONMENTAL PROTECTION AGENCY, REGION VIII  
December, 2016**

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## Introduction

This End of Year Report documents the accomplishments of the Utah Department of Environmental Quality under the FY16 Performance Partnership Agreement and Performance Partnership Grant.

Utah DEQ appreciates the flexibility allowed by the PPA and PPG in meeting critical environmental goals and the burden reduction offered by a single end of year report.

We remain committed to the PPA as “the most effective mechanism through which EPA and states can explain jointly-developed goals and priorities and how they will work together to achieve environmental results.”<sup>1</sup>

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<sup>1</sup> EPA Website, Performance Partnership Agreements at [http://www.epa.gov/ocir/nepps/pp\\_agreements.htm](http://www.epa.gov/ocir/nepps/pp_agreements.htm)

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EPA Goal and Objective	EPA Measurement	DEQ Goal	DEQ Measure
<p>Goal 1: Improving Air Quality – Achieve and maintain health-based air pollutant standards and reduce risk from toxic air pollutants and indoor air contaminants</p>	<p>Reduce Criteria Pollutants and Regional Haze</p>	<p>1. Develop and implement appropriate SIPs for all areas of the state.</p>	<p>a. State develops all State Implementation Plan revisions required to meet federal law and submits them to EPA for their review and approval according to the established timeframe.</p> <p><b>STATUS: Working closely with EPA Region 8, the State completed the PM2.5 SIPs required under Subpart 4 by December, 2015, but it was done without the required federal guidance by which EPA would judge them. Once that guidance was issued, EPA determined they could not approve the plans. The State had also worked closely with EPA Region 8 to develop the final part, the “Better than BART” demonstration, of an otherwise fully approved Regional Haze SIP, and included all of the changes EPA required to make the SIP revision approvable; but EPA rejected that plan, and proposed a FIP that was contrary to everything in the heavily negotiated plan, and is now the subject of a legal action between the State and several stakeholders and EPA. The State also completed a PM10 Maintenance Plan, once again working closely with EPA Region 8 and including every revision EPA instructed us to include to make that plan approvable. EPA may approve the Part H portion of the Plan because that would relieve EPA from a pending legal action, but also once again, EPA determined they cannot approve the Maintenance Plan. All other outstanding SIP revisions are awaiting the development of EPA guidance.</b></p>
			<p>b. All measures contained in the SIP approved by the Air Quality Board are fully implemented.</p> <p><b>STATUS: Utah has implemented all control measures contained in plans submitted to EPA.</b></p>
		<p>2. Develop and improve appropriate inventories.</p>	<p>a. The Title V inventory is prepared by August 15.</p> <p><b>STATUS: The Title V Emissions Fee invoicing was prepared by August 2016.</b></p>

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			<p>b. Required inventory data is entered into the NEI by June 1.</p> <p><b>STATUS: All of the required inventory data which include point, area, mobile, and non-road inventories are on track to be submitted to the NEI by the new due date of January 2017.</b></p>
			<p>c. Non-HAP/non-Criteria/non-MACT regulated pollutants are inventoried as required by federal rules.</p> <p><b>STATUS: Non-HAP/non-Criteria/non-MACT inventories were submitted by April 15, 2016.</b></p>
			<p>d. The inventories required for the Maintenance Plans and SIPs are developed as required and appropriate technical support for each is submitted to EPA for their review with the applicable plan.</p> <p><b>STATUS: All Episodic, base-year, and projected-year inventories required for SIP development were developed and documented within the appropriate TSDs, taken out for public comment and submitted to EPA with the SIP packages.</b></p>
		3. Continue to meet federal requirements for PSD increment tracking.	<p>a. Increment consumption for major sources is tracked as permits are issued.</p> <p><b>STATUS: Class I and Class II increment analyses were completed for all PSD permit applications.</b></p>
		4. Maintain an adequate ambient air quality monitoring program meeting the requirements of 40 CFR Part 58 to assess public exposure to air pollutants and to establish the attainment status.	<p>a. The annual Monitoring Network Plan is completed and submitted to EPA by July 1. Evaluate monitoring network to reflect recent changes in funding and national monitoring requirements to optimize the network.</p> <p><b>STATUS: The annual network plan was completed and made available for public comment on May 24, 2016. The final document was submitted to EPA on July 1, 2016. To date, EPA has made no comments on the plan.</b></p>

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			<p>b. The PM2.5 monitoring network is maintained and operated as appropriate funding is received from EPA.</p> <p><b>STATUS: The PM2.5 monitoring network was maintained and operated as funded by EPA. Issues identified during EPA's triennial audit of the monitoring network have been resolved and data has been corrected or invalidated as required.</b></p> <hr/> <p>c. Monitoring data are submitted to EPA 90 days after each quarter.</p> <p><b>STATUS: Raw data are generally submitted to EPA within 90 days after each quarter. Some annual and quarterly audit data have not been uploaded according to this schedule in the past and are now being uploaded on this quarterly schedule.</b></p> <hr/> <p>d. Locations for new monitoring sites are based on current emission inventories, air quality modeling and EPA regulation.</p> <p><b>STATUS: This is an ongoing standard procedure. All sites are selected using a variety of inputs, including saturation studies, modeling, availability of a suitable site, etc. the section is currently working on siting for a near road site and have conferred with Joshua Rickard EPA Region 8.</b></p> <hr/> <p>e. Staff works with EPA to assess the impacts of changes to 40 CFR 58, and continue planning for the implementation of those changes (National Monitoring Strategy/NCORE Monitoring Network).</p> <p><b>STATUS: The required NCORE monitoring started January 1, 2011 and continues.</b></p> <hr/> <p>f. The National Air Toxics Trends site in Bountiful is operated in accordance with NATTS QAPP with appropriate updates.</p> <p><b>STATUS: The National Air Toxics Trend site in Bountiful is operating. Samples have been collected and submitted to EPA's contract lab. The data have been reviewed and approved for submittal into EPA's AQS data base.</b></p>
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			<p>g. An appropriate response to each identified NAAQS violation is prepared and submitted to EPA.</p> <p><b>STATUS: UDAQ and EPA use the current monitoring data to propose the attainment status for each area in Utah. As monitored exceedances of the NAAQS are identified that are influenced by exceptional events, appropriate data flags are being applied, and supporting documentation submitted to EPA for review and concurrence. As nonattainment areas are identified, appropriate State Implementation Plans are developed to address the issues causing the nonattainment status.</b></p> <hr/> <p>h. The annual certification of 2015 data is completed by the May 1, 2016 annual certification date.</p> <p><b>STATUS: Certification of 2015 data was completed and submitted to EPA on Nov 15, 2016. This submittal was delayed due to issues identified in the 2015 TSA that were addressed prior to data certification.</b></p> <hr/> <p>i. Participation in the Three-State Air Quality Study continues with two major tasks: 1) review the continued operation of the Price ozone/meteorological site after collecting 3 years of Federal regulatory data based on availability of EPA or BLM funding; and 2) provide staff and other support to the Three-State Data Warehouse and modeling efforts as the project design matures and funding allows.</p> <p><b>STATUS: UDAQ continues to operate the Price monitor in support of the Three-State study goals. This monitor is classified as special purpose and all data is submitted to AIRS. UDAQ staff participates on the 3-State Project steering committee and helped develop the study plan. The monitoring portion of the study was completed on December 31, 2013, but the state continues to operate the site and will continue to operate the site as long as Three-State funding is available. The State has also taken over control of the Escalante monitoring site from the BLM and will operate that site as a State site for the next 5 years, funding permitting.</b></p>
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		<p>5. Maintain the compliance status of air pollution sources in the state.</p>	<p>a. By November 15, prepare and submit to EPA for review and approval the compliance monitoring strategy incorporating the provisions of EPA's July 14, 2014 Clean Air Act Stationary Source Compliance Monitoring Strategy. Coordinate with EPA to ensure that CMS sources are flagged in ICIS-AIR for inspection, and to ensure that high priority violations and associated enforcement actions are correctly identified in ICIS-AIR.</p> <p><b>STATUS: The Compliance Monitoring Strategy for FFY 2017 was submitted to USEPA Region VIII on October 27, 2016</b></p> <p>b. Asbestos notification, certification and outreach programs are continued, and at least 120 on-site inspections are performed.</p> <p><b>STATUS: Asbestos notification, certification and outreach programs were operated and inspections were performed at 442 sites.</b></p> <p>c. The work program for the AHERA Toxic Substances Compliance Monitoring Grant is continued. The AHERA Grant Work Plan approved by EPA Region VIII will be the environmental measure of success for the Utah AHERA Program.</p> <p><b>STATUS: The AHERA Grant work program was completed and reported in a separate report.</b></p>
		<p>6. Implement the Operating Permits Program meeting the current requirements of Title V, CAAA 1990, and the Utah Air Conservation Act.</p>	<p>a. An Operating Permits Program is continued as described in program approval from EPA.</p> <p><b>STATUS: The Operating Permits Program has been implemented as outlined in the program approval from EPA. The Title V Permits have been issued as expeditiously as possible</b></p> <p>b. The provisions of the Acid Rain Act and 40 CFR Part 72 and Part 76 are implemented.</p> <p><b>STATUS: The implementation of 40 CFR Parts 72 &amp; 76, and the Acid Rain Act are ongoing.</b></p>

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		<p>7. Continue issuing approval orders for new sources and modifications of the existing approval orders.</p>	<p>a. A demonstration is made that the NAAQS and PSD increment ceilings in Class I and Class II areas are protected.</p> <p><b>STATUS: Air quality modeling was completed for major and minor source applications according to R307-410-3.</b></p>
		<p>8. Quality Assurance programs are reviewed for effectiveness.</p>	<p>b. BACT/LAER determinations are either entered into the RACT/BACT/LAER Clearinghouse or the information is provided to EPA so they can enter the data.</p> <p><b>STATUS: This is an ongoing process that is performed continually.</b></p> <p>a. Statistical quality standards are met for the collection of ambient air data and emissions inventories prepared by the State.</p> <p><b>STATUS: On-going – All statistics were collected for site inspections, monitoring, inventory, etc. following the existing QA protocols.</b></p> <p>b. Rules, regulations, procedures, policies, and protocols are complied with.</p> <p><b>STATUS: UDAQ complies with all rules, regulations, procedures, policies and protocols.</b></p> <p>c. Regulatory activities are documented, including the appropriate technical support.</p> <p><b>STATUS: All commitments were met or exceeded. Data to verify that commitments were met is in AIRS.</b></p> <p>d. The State and EPA agree on the adequacy of air program results.</p> <p><b>STATUS: UDAQ and EPA Region VIII confer regularly on the results of the air program implementation.</b></p>
		<p>9. Maintain the small business environmental assistance program (SBEAP) to actively assist small businesses to comply with rules of the Board.</p>	<p>a. Educational Assistance is offered to all small businesses affected by adopted NSPS and MACT standards.</p> <p><b>STATUS: Assistance provided as needed and online resources are available from the DAQ Small Business Environmental Assistance Program website.</b></p>

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		<p>b. As appropriate, the Small Business Compliance Advisory Panel's role is modified to increase the effectiveness of the SBEAP.</p> <p><b>STATUS: All business sectors are aided. Resources are provided including online compliance assistance calendars available to all dry cleaners to help them comply with the NESHAP requirements.</b></p>	<p>c. On-site assistance is provided when requested.</p> <p><b>STATUS: Assistance is provided to businesses when needed.</b></p>
		<p>d. The small business work plan for the Small Business Compliance Advisory Panel is modified as appropriate to better meet assistance needs.</p> <p><b>STATUS: The work plan is modified at each panel meeting.</b></p>	<p>e. Assistance tracking is modified as appropriate to better provide and measure assistance needs.</p> <p><b>STATUS: The SBEAP is reviewing assistance provided and reviewing business needs to provide better quality assistance to the regulated community.</b></p>
		<p>10. Continue to implement R307-204, Smoke Management, the Utah Smoke Management Plan (SMP), and MOU to mitigate smoke impacts from managed natural fires and prescribed fire on visibility, public nuisance, and the health-based NAAQS.</p>	<p>a. Necessary burn approval and denial decisions made by the Smoke Program Coordinator and Executive Secretary are coordinated with partner agencies.</p> <p><b>STATUS: UDAQ coordinated all large burn projects by land management agencies, including the Park Service, the Forest Service, the BLM, State Forestry, and the US Fish and Wildlife Service.</b></p> <p>b. The rules and SIP are revised as needed to implement revisions to the FLM burn policies and practices, particularly regarding Use of Wildland Fire issues.</p> <p><b>STATUS: UDAQ gave comments to the FLMs on FLM-proposed revisions to the rules and is waiting for a response from the FLMs.</b></p>

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		<p>11. Work with EPA to obtain federal actions on the backlog of State submittals.</p>	<p>a. Appropriate assistance is provided to EPA staff responsible for completing federal action on each submittal to facilitate final EPA action on each. <b>STATUS: The State and EPA have worked together to implement the 3-year plan to eliminate the backlog, resulting in the elimination of a significant portion of the backlog.</b></p>
		<p>12. Implement designated facility plans, NSPS, NESHAPS, MACTs, CTGs and RACT.</p>	<p>a. MACT Standards that apply to sources in Utah are adopted through rulemaking and implemented through the Operating Permit process as they are developed and promulgated by EPA. <b>STATUS: MACT requirements are included in Title V permits as they are promulgated by EPA.</b></p> <p>b. NSPS standards that apply to sources in Utah are adopted through rulemaking and implemented through the permit process as they are developed and promulgated by EPA. <b>STATUS: New and revised MACT and NSPS standards continue to be adopted in Utah and implemented through the permit process.</b></p> <p>c. Rules implementing specific source RACT are developed and implemented as appropriate. <b>STATUS: New and revised MACT and NSPS standards continue to be adopted in Utah and implemented through the permit process.</b></p>
			<p>d. RACT determinations included in the Ozone Maintenance Plan and PM10 SIP are reviewed and updated as appropriate. <b>STATUS: The RACT requirements were last reviewed as the 8-Hour Ozone Plan was developed, during which RACT requirements for Hill were clarified, improved, and tied to the federal requirements such as MACT, etc. All other RACT determinations in the ozone plan were reviewed and retained or strengthened. That maintenance plan was submitted to EPA for review and comment, but no federal action has been taken on the plan. RACT requirements in the PM10 SIP were reviewed and updated as Part H of the PM2.5 SIP developed and submitted to EPA.</b></p>

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			<p>e. UDAQ staff participates in EPA regional meetings and conference calls which will focus on sharing information and building state capacity to identify, characterize and address air toxics risks in Utah communities based on available resources.</p> <p><b>STATUS: DAQ staff have attended conferences and workshops and participated in EPA regional meetings and conference calls to help identify, characterize and address air toxics in Utah communities as funding permits.</b></p>
		13. Submit monitoring data to EPA as required.	<p>a. Quality assured ambient air pollution data is submitted to AQS no later than 90 days after each calendar quarter.</p> <p><b>STATUS: Quality assured ambient data were submitted to EPA's AQS within 90 days after each quarter.</b></p> <p>b. Data precision and accuracy assessments are submitted to ICIS-Air no later than 90 days after each calendar quarter.</p> <p><b>STATUS: Quality-assured P&amp;A data were submitted within 90 days following each quarter.</b></p> <p>c. ICIS-Air is monitored on an ongoing basis for accuracy and completeness consistent with the MDR's as well as the CMS and HPV Policies.</p> <p><b>STATUS: The database was monitored continuously for accuracy and completeness.</b></p> <p>d. Data summary reports are printed for regulatory and public use as appropriate.</p> <p><b>STATUS: Data summary reports were prepared and printed for Board, regulatory and public use.</b></p>
		14. Respond to questions from the public regarding air quality issues.	<p>a. Ambient air quality data is provided to the AirNow Program.</p> <p><b>STATUS: Ambient Air quality data was provided to the AirNow program.</b></p>
		15. a) Work with other state / federal / local agencies to reduce diesel emissions in Utah. 15.b.) Work with Cache and Wasatch Front Counties to implement motor vehicle inspection and maintenance	<p>a. Continue implementing the Utah Clean Diesel Program and apply for additional funding through DERA.</p> <p><b>STATUS: On-going. DAQ worked with stakeholders to identify potential projects for the Utah Clean Diesel program. DAQ has successfully acquired funds through</b></p>

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		<p>(I/M) programs that meet requirements in the Utah SIP. 15c. Transportation Conformity – assist Cache, Wasatch Front, and Utah County MPOs with their CAA and 40 CFR 93, Subpart A conformity determinations as per the provisions of Section XII of the Utah SIP.</p>	<p><b>DERA for the past several years and will continue to build on the success of the current program.</b></p> <p>b. Continue efforts with Cache, Davis, Salt Lake, Utah, and Weber counties to implement their respective I/M programs.</p> <p><b>STATUS: On-going. DAQ continues to provide technical and training support to Bear River Health Dept.'s I/M program. DAQ works with Wasatch Front I/M counties with regulation/ordinance and program updates.</b></p> <p>c. Continue to provide consultation and interagency collaboration to assist the Cache MPO, Wasatch Front Regional Council (WFRC), and the Mountainland Association of Governments (MAG) as they develop conformity determinations for their respective Regional Transportation Plans (RTP) and Transportation Improvement Programs (TIP).</p> <p><b>STATUS: On-going. DAQ worked with WFRC, MAG and CMPO to quantify the impact of the newly released MOVES 2014a model on conformity and transportation projects and emission controls.</b></p>
		<p>16. Reduce Air Toxics</p>	<p>a. MACT Standards that apply to sources in Utah are adopted through rulemaking and implemented through the Operating Permit process as they are developed and promulgated by EPA.</p> <p><b>STATUS: MACT requirements are included in Title V permits as they are promulgated by EPA.</b></p> <p>b. UDAQ staff participates in EPA regional meetings and conference calls which will focus on sharing information and building state capacity to identify, characterize and address air toxics risks in Utah communities based on available resources.</p> <p><b>STATUS: DAQ staff have attend conferences and workshops and participated in EPA regional meetings and conference calls to help identify, characterize and address</b></p>

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			<p><b>air toxics in Utah communities as funding permits. DAQ has completed an analysis of current air toxics data in Utah, and is continuing an air toxics study funded by the state legislature.</b></p> <p>c. The work to conduct community outreach and analysis concerning air toxics issues is completed based on UDAQ needs and available resources.</p> <p><b>STATUS: Community outreach and air toxics analysis was performed based on community needs.</b></p>
<p>Reduce exposure to lead-based paint.</p>	<p>Reduce exposure to lead-based paint.</p>	<p>17. Protect public health and the environment through implementation of the Utah Lead-Based Paint Certification, Accreditation and Work Practices Program.</p>	<p>a. The Utah Lead-Based Paint Grant Work Plan approved by EPA Region VIII will be the environmental measure of success for the Utah Lead-Based Paint Certification, Accreditation and Work Practices Program.</p> <p><b>STATUS: The Utah Lead-Based Paint Grant work program was completed and reported in a separate report.</b></p> <p>b. Support the EPA Strategic Plan goal to ensure that the percentage of children with blood lead levels above 5 µg/dl does not rise above the 1.0 percent target for FFY 2016 and work to make further reductions in blood lead levels through 2018. (Baseline is 2.6 percent of children ages 1-5 had elevated blood lead levels (5 µg/dl or greater) in the 2007-2010 sampling period according to the Centers for Disease Control and Prevention's (CDC's) National Health and Nutritional Evaluation Survey (NHANES).</p> <p><b>STATUS: The Utah Lead-Based Paint Program supported the EPA Strategic Plan goal to eliminate childhood lead poisoning by certifying individuals and firms conducting regulated work activities, performing inspections at structures where regulated abatement work activities were being performed, and performing inspections at renovation firms subject to the Lead-Based Paint Renovation, Repair and Painting rule requirements.</b></p> <p>c. Support the EPA Strategic Plan goal to reduce the percent difference in the geometric mean blood lead level in low-income</p>

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			<p>children 1-5 years old as compared to the geometric mean for non-low income children 1-5 years old to 10.0 percent by 2018. (Baseline is 28.4 percent difference in the geometric mean blood lead level in low-income children ages 1-5 years old as compared to the geometric mean for non-low income children 1-5 years old in 2007-2010 sampling period according to CDC's NHANES.)</p> <p><b>STATUS: The Utah Lead-Based Paint Program supported the EPA Strategic Plan goal to reduce the childhood geometric mean blood level by certifying individuals and firms conducting regulated work activities, performing inspections at structures where regulated abatement work activities were being performed, and performing inspections at renovation firms subject to the Lead-Based Renovation, Repair and Painting rule requirements.</b></p>
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### ***EPA's Portion of the PPA***

1. EPA Region VIII will work with other affected EPA offices when appropriate to consider various approaches to addressing specific issues that impact Utah.
2. EPA Region VIII will participate in UDAQ Board Meetings when specific issues regarding the partnership between EPA Region VIII and UDAQ are part of the agenda and travel funds permit.
3. EPA Region VIII will provide training on the newly modernized ICIS-Air national database (previously named AIRS/AFS).

### ***Items Related to UDAQ Planning Branch Activities***

1. EPA Region VIII will work with UDAQ as necessary and appropriate when reviewing SIP submittals and initial designation requests as the NAAQS are revised to clarify issues and communicate actions that may affect Utah.
2. EPA Region VIII will work with EPA HQ when appropriate to help elevate issues to the national level that are uniquely western issues.
3. EPA Region VIII will give timely attention to any intermediate work products that are developed in the SIP process so as to provide UDAQ its feedback during project development rather than at the end.
4. EPA will make every effort to determine completeness and to take final action on regulatory actions submitted by Utah in accordance with statutory time frames considering existing resources.

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5. EPA Region VIII and UDAQ will work together to prioritize existing SIP submittals and on identifying upcoming SIP revisions. EPA Region VIII will keep UDAQ informed on the status of actions.
6. EPA Region VIII and UDAQ will work together to pursue any feasible early action initiatives for PM<sub>2.5</sub>.
7. Following review of the Federal Annual Air Quality Report, EPA Region VIII and UDAQ will work together to develop appropriate actions addressing each identified NAAQS violation for any criteria pollutant.

### ***Items Related to UDAQ Permitting Branch Activities***

1. EPA will provide review and comments as appropriate for the ITAs within the 30-day public comment period.

### ***Items Related to UDAQ MACT Compliance and Enforcement Activities***

EPA Region VIII, Office of Enforcement, Compliance and Environmental Justice and Utah Division of Air Quality will work to keep each other informed of important and potentially controversial activities involving regulated sources in Utah, including activities involving national and regional initiatives. EPA continues to implement PSD/NSR and MACT national initiatives in the refinery, coal-fired power plant, Portland cement, sulfuric and nitric acid and glass industry sectors; Energy Extraction, a national leak detection and repair (LDAR) and flare initiative; and a regional oil and gas industry sector initiative

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### SOURCE PROTECTION

EPA Goals & Objectives	EPA Strategic Targets	DEQ Goals	DEQ Measure
<p><b>Goal 2:</b> Protecting America's Waters.</p> <p><b>Objective 2.1</b> Protect Human Health <b>Subobjective 2.1.1</b> Water Safe to Drinking</p>	<p>SDW-SP 4(a) FY 16 National Target = 49% Regional Target = 35%</p>	<p>Report to EPA the number of community water systems with "minimized risk achieved by substantial implementation" of source water protection as determined by Utah approval of community water system source protection plans. Numbers may vary from year to year because of the six year review process but will meet or exceed EPA national and regional targets.</p>	<p>Percent of community water systems where risk to public health is minimized through source water protection.</p> <p><b>STATUS: Reported and achieved</b></p> <p><b>=326/476*100 =68%</b></p>
	<p>SDW-SP 4(b) FY 16 National Target = 59% Regional Target = 35%</p>	<p>Report to EPA the population numbers served by community water systems where "minimized risk is achieved by substantial implementation of source water protection actions, as determined by Utah's approval of community water systems source protection plans. Numbers may vary from year to year because of the six year review process.</p>	<p>Percent of population served by community water systems where risk to public health is minimized through source water protection.</p> <p><b>STATUS =1410723/2979249*100 =47%</b></p> <p><b>Reported and achieved for Region</b></p>

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### IMPLEMENTATION AND ENFORCEMENT

EPA Goals & Objectives	EPA Strategic Targets	DEQ Goals	DEQ Measure
<p><u>Strategic Target SDW-211:</u> Percent of the population served by community water systems (CWS) that receive drinking water that meets all applicable health-based drinking water standards through approaches including effective treatment .</p>	<p>FY16 National/Regional Target = 92%</p>	<p>To meet or exceed the target measure of 88%</p> <p>UDEQ will maintain its data in the national database, SDWIS-Fed. This includes accurate and timely data entry, quality assurance and data validation.</p>	<p>Annual enforcement review reveals improvement in violation timeliness and accuracy.</p> <p>Inventory, violation, and enforcement data are uploaded to SDWIS-Fed within 45 days after the end of each quarter.</p> <p><b>STATUS: UDEQ shows a completion of this goal of 86.7%.</b></p>
<p><u>Strategic Target SDW-SP1.N11:</u> Percent of CWS that meet all applicable health-based standards, through approaches that include effective treatment and source water protection.</p>	<p>FY16 National/Regional Target = 90%</p>	<p>To meet or exceed the target measure of 80%.</p> <p>UDEQ will maintain its data in the national database, SDWIS-Fed. This includes accurate and timely data entry, quality assurance and data validation.</p>	<p><b>STATUS: UDEQ shows a completion of this goal of 88.2%.</b></p>
<p><u>Strategic Target SDW-SP2:</u> Percent of “person months” (i.e., all persons served by CWS times 12 months) during which CWS provide drinking water that meets all applicable health-based drinking water standards.</p>	<p>FY16 National/Regional Target = 95%</p>	<p>To meet or exceed the target measure of 90%.</p> <p>UDEQ will maintain its data in the national database, SDWIS-Fed. This includes accurate and timely data entry, quality assurance and data validation.</p>	<p><b>STATUS: UDEQ shows a completion of this goal of 98.6%.</b></p>
<p><u>Strategic Target SDW-01a:</u> Percent of CWS that have undergone a sanitary survey within the past three years (five years for outstanding performers or those groundwater systems approved by</p>	<p>FY16 National/Regional Target = 75%</p>	<p>To meet or exceed the target measure of 90%.</p> <p>UDEQ will maintain its data in the national database, SDWIS-Fed. This includes accurate and</p>	<p><b>STATUS; UDEQ shows a completion of this goal of 90%</b></p>

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EPA Goals & Objectives	EPA Strategic Targets	DEQ Goals	DEQ Measure
UDEQ to provide 4-log treatment of viruses.		timely data entry, quality assurance and data validation.	
Goal 5.1 Enforcing Environmental Law (Filter/GUI)	<p>UDEQ provides to EPA by 11/15/15:</p> <p>a) a list of all systems that are required to filter under the SWTR, but are not yet filtering. Additionally, report those violations to SDWIS-Fed. For those still on compliance schedules, provide the schedule from the enforcement document. If any systems are not under compliance schedules, for each system provide a rationale and the proposed state action and time frame for securing an enforceable compliance schedule.</p> <p>b) a description of any additional actions and the time frames for completing assessments of groundwater under the influence of surface water (GUI), and the systems for which such assessments need to be completed.</p>	<p>Maintain an accurate list of unfiltered SW/GUI PWSs and a schedule for compliance or/and of actions, with timeframes, required for completion or initial GUI assessments.</p> <p>Provide a report to EPA by 11/15/15.</p> <p>Upload all failure to filter violations to SDWIS.</p>	<p>Accuracy of list of SW/GUI unfiltered systems.</p> <p><b>STATUS: Completion of GUI assessments. Report provided to EPA by 11/15/15.</b></p> <p><b>All current failure to filter violations uploaded to SDWIS by the end of FY2016 and future violations uploaded when they occur.</b></p>
Goal 5.1 Enforcing Environmental Law (ETT)	a) UDEQ annotates the quarterly ETT list created by the ERP and returns a complete annotated list to EPA within 30 days of receipt. The annotations include the State actions planned for each identified priority ETT system, the projected time frame for such actions, and other relevant information that helps EPA evaluate candidates for federal enforcement.	Timely annotate the quarterly ETT list for priority systems.	<p>Annotations are complete and timely.</p> <p><b>STATUS: Goal continues to be met.</b></p>
	b) UDEQ addresses all priority ETT systems through formal enforcement or appropriate return to compliance within 6 months of their being identified as	Timely address all priority ETT systems.	<p>Priority ETT systems addressed within 6 months of identification.</p> <p><b>STATUS: Goal continues to be</b></p>

## FFY2016 PPA END OF YEAR REPORT UDEQ DIVISION OF DRINKING WATER

EPA Goals & Objectives	EPA Strategic Targets	DEQ Goals	DEQ Measure
	<p>priorities, with the goal of taking action before systems reach priority status. EPA will take federal enforcement action, as resources allow, if UDEQ does not plan to timely address a priority water system appearing on an ETT list, if UDEQ does not meet its previous commitments to take an enforcement action, or for cases in which PWSs would have been a priority ETT's system if all violations had been uploaded to SDWIS-Fed.</p> <p>c) EPA encourages UDEQ to update its enforcement escalation policies to ensure that all violations receive a state response, and that enforcement priorities are addressed in a timely and appropriate manner.</p>	<p>UDEQ utilizes its IPS system to assist with addressing violations and determining appropriate formal enforcement. R8 enforcement contact attends the State's quarterly call to discuss enforcement cases.</p>	<p>met.</p>
<p>Goal 5.1 Enforcing Environmental Law (SDWIS-Fed)</p>	<p>UDEQ will upload inventory information and all violations, enforcement actions, and applicable return to compliance codes into SDWIS-Fed quarterly.</p>	<p>SDWIS-Fed database is accurate and current.</p>	<p><b>STATUS: UDEQ has uploaded Actions every six weeks, Samples and Inventory have been done every 12 weeks. All files have been approved.</b></p>
<p>Goal 5.1 Enforcing Environmental Law (Oversight)</p>	<p>UDEQ tracks the compliance of systems that are under UDEQ enforcement and escalates enforcement when a PWS violates an existing formal enforcement action.</p> <p>UDEQ will include all violations in Bilateral Compliance Agreements and other formal enforcement actions.</p>	<p>Track compliance of system under UDEQ formal enforcement and take action if a PWS violates its terms.</p> <p>Include all violations in formal enforcement actions.</p> <p>Timely issue violation letters to PWSs for each violation</p>	<p>EPA's review of enforcement actions reveal that all violations are contained in UDEQ formal enforcement actions.</p> <p>File reviews by the EPA or its contractor detect few late or absent violation letters.</p>

## FFY2016 PPA END OF YEAR REPORT UDEQ DIVISION OF DRINKING WATER

EPA Goals & Objectives	EPA Strategic Targets	DEQ Goals	DEQ Measure
	UDEQ will ensure that timely violation letters are sent to PWSs for each violation incurred.	incurred.	<b>STATUS: Goal continues to be met.</b>
	UDEQ continues to provide access to State PWS files & data for EPA's on-site enforcement review.	Allow EPA access to UDEQ PWS files and data.	Continue to provide data access to EPA for review. <b>STATUS: Goal continues to be met.</b>
	UDEQ agrees that EPA will use the Uniform Enforcement Oversight System (UEOS) for evaluating the State's enforcement performance.	UEOS evaluation by EPA accepted.	Continue to provide EPA with data necessary to complete the UEOS. <b>STATUS: Goal continues to be met.</b>
Goal 5.1 Enforcing Environmental Law (New rules)	It is UDEQ's intent to adopt the RTCR Rule and commence enforcement effective on April 1, 2016, provided SDWIS is able to track and report violations. In the absence of SDWIS tools, UDEQ may have to rely on federal tracking and enforcement until such time as the SDWIS tools are in place. If federal involvement is necessary, UDEQ will cooperate with EPA in identifying water systems and violations for which EPA may need to issue enforcement actions.	If there are violations of any rule that UDEQ does not have primacy for UDEQ will share information regarding these violations with EPA.	UDEQ and EPA will work closely on communicating capabilities related to the RTCR Rule. <b>STATUS: STATUS: Goal continues to be met.</b>

# FFY2016 PPA END OF YEAR REPORT UDEQ DIVISION OF DRINKING WATER

## Core Activities 2016

Category	Activity	Responsibility
<i>Philosophy, Culture</i>	Customer Service orientation	All
	Implement DEQ & DDW Operating Principles	All
	Actively seek customer feedback	All
	Maintain good communication with partners and customers	All
	Effective Intersection communication	All
	Effective Interdivision communication	All
	Invite local legislators to DW Board Activities	Division Director
	Division Director will collaborate with DW Board in support of joint goals	Division Director
	Division will actively protect public health through water system compliance	All
	Employee job ownership/job empowerment	All
	<i>Staff</i>	
Ensure staff are technically trained to accomplish mission		All
Reward and recognize employees for excellent work		All
Managers have an open door policy (and keep staff issues and conversations private)		All
Serve on national and state committees		All
All staff will refer customer questions to the <b>right</b> person (the Division's experts)		All
All staff will keep In/Out Board current		All
Ensure cross-training and back-up capability where appropriate		All
<i>IT, Gov e-Business</i>		
	Maintain Division Website	Const. Asst. /All
	SDWIS data reporting	Rules
	Automate water treatment plant report transmission	Rules
	Implement geographic information system (GIS) applications, including support for outside partners and other DEQ Divisions	Admin. Serv.
	Maintain and enhance the divisions databases: SDWIS/SARA/CASPER	Rules/All
	Continue to implement the Department electronic document management system	Admin. Serv./All
	Add and maintain current and accurate data in all of the Divisions databases and all of the contact information including e-mail addresses.	All
	Maintain "Potential construction projects" list on Division webpage	Const. Assist.
	Participate on EPA's SDWIS NEXTGEN project	Director & Rules

## FFY2016 PPA END OF YEAR REPORT UDEQ DIVISION OF DRINKING WATER

<b>Category</b>	<b>Activity</b>	<b>Responsibility</b>
<i>Assistance and Training</i>		
	Staff assistance to Drinking Water Board	Division Director/All
	Technical assistance to water operators	All
	General partnering (targeted training, cooperation, follow-up and training)	All
	Educate locally elected officials and their staff	All
	Provide technical assistance on Drinking Water quality problems	All
	Perform Capacity development functions	Const. Assist.
	Provide support for the Permanent Community Impact Board	Const. Assist./ Engineering
	Perform technical assistance to water treatment plants	All
	Perform support to local water treatment alliances	Eva / All
	Support water planning activities in cooperation with other agencies and local government and technical assistance partners, regarding source protection and system viability	All
	Ensure Drinking Water Board members have sufficient training to make policy decisions	All
<i>Field Work</i>		
	Provide training on physical facility capacity and its issues for consultants, district engineers, and others	Const. Assist. / Engineering
	Perform Sanitary Surveys. Respond to water system	All
	Sanitary survey scheduling with consideration for expertise rotation and geographic grouping	Field Services
	Water treatment plant inspections	Const. Asst. / Engineering
	Construction inspections	Const. Assist. / Engineering
	Develop and obtain additional useful spatial data	All
	Special studies on water treatment technologies	Engineering
	Geologic evaluation of sources	Admin. Serv.
	Work on improving communication with ICS members	Field Services
<i>Regulatory</i>	Emergency Response / System Security / Project Funding	Field Services/Const. Assist./ Engineering
	Assist water systems with developing and maintaining Cross Connection Control Programs	Field Services
	Write, Implement and revise rules as needed	All
	Plan review and operating permits	Const. Assist./ Engineering
	Enforcement & compliance by each section on its rules	All
	Enforcement (AOs, BCAs, AG Referrals, Administrative hearings, Administrative Penalties, etc.)	All

## FFY2016 PPA END OF YEAR REPORT UDEQ DIVISION OF DRINKING WATER

Category	Activity	Responsibility
	Property follow-up on assignments made at the Division's quarterly CAP meetings	All
	Unified Enforcement Oversight System	Rules
	EPA quarterly reporting	Rules
	Improvement Priority System	All
	Implement appropriate prevention strategies for systems appearing on EPA's ETT List. Document in the Division's enforcement actions in SDWIS.	Rules
	Public Notice	Rules
	Consumer Confidence Reports	Rules
	Report, every three years, on capacity development assistance given to significant non-complying water systems	Const. Assist.
	Quarterly ETT list annotated and back to EPA within 30 days	Rules
	Copy of EPA with enforcement action	Rules
	Monitoring and MCL Compliance tracking and reporting	Rules
	Grout Witnesses	Const. Assist./Engineering
	Surface Water Treatment Rule tracking and reporting (also UDI)	Rules/Field Services/Engineering
	Source Protection program	Admin. Serv.
	Capacity Development review for new systems	Const. Assist.
	Submit an annual report to EPA showing the ongoing implementation of the capacity development strategy by September 30 of each year	Engineering
	Make available to the public a report to the Governor on the efficacy of the strategy and progress towards improving the technical, managerial, and financial capacity of PWS every 3 years. Submit a copy of the triennial Governor's Report to EPA by September 30 the year it is due.	Engineering
	Assure that sampling and reporting is being done in a professional, timely and truthful manner	Rules
	When EPA proposes a rule, we will study the impact, prepare appropriate comments, and encourage the affected PWSs to comment. Finalize each rule by developing an appropriate State Rule, and implement.	All
	Submit the final primacy package for the RTCR rule for EPA review and approval by February 13, 2017	Rules
	No later than 8 months after the final filtered system completes its second round monitoring, provide EPA the final determination on bin classifications for each filtered system as described in 40 CFR 141.710.	Rules
<i>Certification</i>		
	Backflow Technician Certification	Field Services
	Operator Certification	Field Services.
<i>Financial</i>		

## FFY2016 PPA END OF YEAR REPORT UDEQ DIVISION OF DRINKING WATER

<b>Category</b>	<b>Activity</b>	<b>Responsibility</b>
<i>Assistance</i>		
	Financial Assistance program	Const. Assist.
	Capacity assessments for financial assistance	Const. Assist.
	Annual rate and every 4 year needs surveys	Const, Assist,
	Capture systems with significant physical deficiencies and water quality issues in the IPS/PP	Const. Assist./Rules
<i>Miscellaneous</i>		
	State Health Laboratory Coordination	Field Services
	All other Labs. Coordination	Rules/Field Services
	Support Services (purchasing, contracting, grants, travel, budget preparation budget/expenditure tracking, and financial reporting, cash receipts, fee schedule).	Const. Assist./Engineering
	Respond to GRAMA requests.	All
	Actively seek financial assistance to enable the Division to pursue its mission	Division Director
<i>Succession/ Planning</i>		
	Keep policies and procedures up to date in E-docs	All
	Promote staff back up for all Division functions	All
	Consider mentoring options for retiring managers/staff	Managers

**FFY2016 PPA END OF YEAR REPORT**  
**UDEQ DIVISION OF ENVIRONMENTAL RESPONSE AND REMEDIATION - CERCLA PROGRAM**

EPA Goal and Objective	EPA Measurement	UDEQ Goal	UDEQ Measure
<p>Goal 3: Cleaning Up Communities and Advancing Sustainable Development</p> <p>Objectives 3.1 and 3.3 Promote Sustainable and Livable Communities; Restore Land</p>	<p>Clean up Contaminated Land</p>	<p>I. Maintain a partnership between Utah and EPA while implementing the Superfund program in Utah.</p>	<p>a. Participate in the Region 8 State Superfund managers conferences, when conducted.  <b>STATUS: DERR coordinated with EPA and other Region 8 states in making preparations to host the Superfund managers conference held in Park City, Utah in October 2016.</b></p>
			<p>b. Encourage and participate in regular coordination meetings with Region 8 remedial program managers, at least every 2 months, to coordinate activities and discuss pertinent issues.  <b>STATUS: DERR and EPA Superfund managers held monthly coordination calls to discuss program and site specific issues.</b></p>
			<p>c. Participate in conference calls between directors of the State and EPA programs, as needed, to coordinate activities and discuss pertinent issues.  <b>STATUS: Calls between program directors were held as needed.</b></p>
			<p>d. Jointly organize and attend the annual retreat between EPA and the State, when conducted.  <b>STATUS: No retreat was conducted during FY2016.</b></p>
		<p>II. Continue to discover and assess contaminated sites in Utah and discuss potential solutions to the problems that are identified.</p>	<p>a. Continue to gather information on known groundwater solvent contamination problems in the Salt Lake Valley and other areas in Utah and update site files as needed.  <b>STATUS: DERR continues to gather and assess information on groundwater that has been contaminated by solvents. This work is a collaborative effort between EPA, the DERR and the Division of Drinking Water. Contaminant levels will be reviewed on an ongoing three-year basis to look for trends and to help advise water well owners of potential impacts before the well is affected the point where it is shut down.</b></p>
		<p>b. Continue discovery efforts for listing new sites on SEMS with a focus on the Ogden City area during FY2016.  <b>STATUS: DERR has continued its discovery efforts in</b></p>	

**FFY2016 PPA END OF YEAR REPORT  
UDEQ DIVISION OF ENVIRONMENTAL RESPONSE AND REMEDIATION - CERCLA PROGRAM**

EPA Goal and Objective	EPA Measurement	UDEQ Goal	UDEQ Measure
			<p>the Ogden City area during FY2016, and will continue to do so during FY 2017. Pre-CERCLA worksheets are being submitted to EPA for review to determine if the site should be listed on SEMS.</p>
		<p>c. Determine the best ways to address the problems that are identified. <b>STATUS: Solutions are identified on a site-by-site basis and in consultation between DERR and EPA Region 8 staff.</b></p>	
		<p>III. Apply the Operating Principles in all work activities.</p>	<p>a. Discuss the application of the Operating Principles to work activities during coordination meetings, as needed. <b>STATUS: The Operating Principles were addressed during DERR/EPA coordination meetings in the context of project planning and implementation.</b></p>
		<p>b. Ensure all communications are consistent with the Operating Principles. <b>STATUS: DERR routinely conducted communications consistent with the Operating Principles.</b></p>	
		<p>IV. Coordinate proposal of Utah sites to the NPL.</p>	<p>a. Regularly discuss the status of sites that are under consideration for inclusion on the NPL. <b>STATUS: DERR and EPA regularly discussed site status, including NPL potential.</b></p>
		<p>b. Evaluate potential NPL sites during coordination meetings. <b>STATUS: DERR and EPA held coordination meetings during the year to discuss site status, including NPL potential, and recommendations, if any, for further activities.</b></p> <p>c. Ensure thorough and comprehensive communication between the agencies for all sites that are under consideration for inclusion on the NPL. <b>STATUS: DERR and EPA communicated comprehensively on site issues during the year, but there were no serious discussions on any NPL site inclusion proposals.</b></p>	
<p>Assess and Cleanup Brownfields; Clean up</p>	<p>V. Encourage redevelopment of Superfund and Brownfields sites in</p>	<p>a. Implement the EPA-approved State Response Program Work Plan. Key tasks in the work plan include</p>	

**FFY2016 PPA END OF YEAR REPORT  
UDEQ DIVISION OF ENVIRONMENTAL RESPONSE AND REMEDIATION - CERCLA PROGRAM**

EPA Goal and Objective	EPA Measurement	UDEQ Goal	UDEQ Measure
	Contaminated Land	Utah.	<p>encouraging communities in Utah to participate in the Brownfields program; conducting Targeted Brownfields Assessments as requested by interested and eligible communities; issuing letters of support to communities applying for Assessment, Revolving Loan Fund, Cleanup or other EPA Grants; providing technical assistance to public and private stakeholders relative to Brownfields redevelopment; and maintaining a complete public record of Brownfields/VCP sites with easy access to information.</p> <p><b>STATUS: DERR complied with the EPA-approved State Response Program Workplan. DERR conducted outreach directly to local governments and non-profits in order to inform them of resources and services available to assist with Brownfields assessment, cleanup and redevelopment. Outreach was completed in part through the semi-annual DERR Brownfields newsletter, individual meetings (such as with Orem City and the Utah Nonprofit Housing Corporation), a presentation at the League of Cities and Towns annual conference and a Brownfields Redevelopment Workshop in Price.</b></p> <p><b>DERR assisted EPA with Targeted Brownfields Assessments at the Baron Woolen Mills and Merrill Plaining Mills sites in Brigham City, the former Premium Oil site in Green River and Centro Civico Mexicano (Centro), the Utah Pride Building and the former Henries Drycleaners in Salt Lake City. DERR provided technical assistance to public and private stakeholders, and conducted pre-application meetings to inform parties of the Voluntary Cleanup Program (VCP) and Enforceable Written Assurance (EWA) process. DERR issued Support Letters to Provo City and the Uintah Basin Association of Governments for Community-Wide Assessment grant proposals and Centro for a cleanup grant of its property in Salt Lake City. DERR also issued a Support Letter to Orem City for a Brownfields Program Area-Wide Planning grant proposal and helped Centro</b></p>

**FFY2016 PPA END OF YEAR REPORT  
UDEQ DIVISION OF ENVIRONMENTAL RESPONSE AND REMEDIATION - CERCLA PROGRAM**

EPA Goal and Objective	EPA Measurement	UDEQ Goal	UDEQ Measure
			<p><b>obtain further cleanup funding under the Wasatch Coalition Revolving Loan Fund. DERR continued to maintain a complete public record, with project information and data available through the Interactive Map.</b></p> <p>b. Participate in quarterly Region 8 Brownfields Team teleconferences and meetings and attend the National and Western Regional Brownfields Conferences (when conducted and as budgets allow) to gather current Brownfields information. <b>STATUS: DERR participated in quarterly Region 8 Brownfields team calls. DERR helped plan and also attended the EPA Western Brownfields Conference offered in FY2016.</b></p> <p>c. Issue Certificates of Completion under the VCP. <b>STATUS: DERR received three VCP applications and issued one Certificate of Completion and one No Further Action letter during the year.</b></p> <p>d. Issue Enforceable Written Assurances to qualified applicants. <b>STATUS: DERR received 18 EWA applications and issued 15 EWAs.</b></p> <p>e. Coordinate with EPA on Ready for Reuse Determinations for Superfund sites. <b>STATUS: DERR coordinated with EPA on redevelopment issues, but no site received a site-wide ready for anticipated use designation in FY2016.</b></p>
	Cleanup Contaminated Land	VI. Enhance the Utah Superfund Program, improve the State's and EPA's ability to conduct Superfund activities in Utah, and complete the EPA required accomplishments for FY2016.	<p>a. Prepare and submit funding applications and cooperative agreements for enhancement of the State Response Program. <b>STATUS: DERR continued to receive funding under the Superfund Block Cooperative Agreement for Management Assistance, Superfund Core and Site Assessment Activities. Cooperative agreement applications for State-lead Superfund projects were submitted, as needed, to support site-specific activities. DERR submitted a request for new State Response</b></p>

**FFY2016 PPA END OF YEAR REPORT  
UDEQ DIVISION OF ENVIRONMENTAL RESPONSE AND REMEDIATION - CERCLA PROGRAM**

EPA Goal and Objective	EPA Measurement	UDEQ Goal	UDEQ Measure
			<p><b>Program funding. The funding was received from EPA starting a new cooperative agreement (RP96829616). Reports were submitted to EPA for cooperative agreement funding.</b></p> <p>b. Continue to develop and enhance the Utah Voluntary Cleanup Program and other State Response Programs. <b>STATUS: DERR continued to develop and enhance the VCP and other components of its State Response Program using Section 128(a) funding. All activities were consistent with the State Response Program Workplan and documented in semi-annual reports submitted to EPA. Public comment periods were initiated for projects such as the Ogden Business Exchange (phase 3), and Dirk’s Drycleaners. DERR oversaw cleanup efforts at Geneva Nitrogen, Alta Gateway, Ogden Business Exchange (phase 3) and Chromalox. In addition, redevelopment was initiated or continued at several sites as a result of various Brownfields tools.</b></p> <p>c. Jointly develop and work to achieve the FY2016 planned Superfund remedial accomplishments. <b>STATUS: DERR and EPA Region 8 staff worked closely to achieve the planned accomplishments for the year.</b></p>

## GOALS AND OBJECTIVES DIVISION OF WASTE MANAGEMENT AND RADIATION CONTROL

### I. ENVIRONMENT

Mission- Protect human health and the environment by promoting pollution prevention (P2) and ensuring safe waste management through the proper handling, transportation, recycling, treatment, storage and disposal of solid and hazardous wastes, used oil, and waste tires.

EPA Strategic Goal and Objective		EPA Strategic Measurement	DWMRC Goal	DWMRC Measure and Status
GOAL 4: Ensuring the Safety of Chemicals and Preventing Pollution.	Objective 4.2: Promote Pollution Prevention.	By 2018, reduce 600 million pounds of hazardous materials cumulatively through pollution prevention.	Waste Minimization – Implement and support waste minimization and pollution prevention.	<p>a. Identify and evaluate supplemental environmental projects that are a part of a compliance action to determine their contribution to waste minimization and pollution prevention. Supplemental environmental projects contributing to waste minimization/pollution prevention will be reported to EPA.</p> <p>i. Conduct on-site visits to SQGs to provide updated information on waste minimization programs and opportunities as well as compliance assistance.</p> <p><b>STATUS: The Division completed a total of 218 inspections: 42 LQG, 14 TSDF, 50 SQG, 17 CESQG, 6 Used Oil CEIs and 17 CAV, 72 site visit other investigations. Provided information and compliance assistance at each visit. Committed to 14 TSDF, 31 LQG, 23 SQG, and 4 used oil. Many LQG re-notified as a SQG or CESQG within the reporting year.</b></p> <p><b>Two SEPs were proposed for this FY for a total of \$46,492.</b></p>
				<p>b. Continue Division pollution prevention policy implementation. Provide pollution prevention information and technical assistance to staff and businesses that generate hazardous waste.</p> <p><b>STATUS: The Division continued its commitment to a high level of activity for Pollution Prevention and Hazardous Waste Minimization, particularly with its programs for recycling waste tires,</b></p>

**GOALS AND OBJECTIVES  
DIVISION OF WASTE MANAGEMENT AND RADIATION CONTROL**

EPA Strategic Goal and Objective	EPA Strategic Measurement	DWMRC Goal	DWMRC Measure and Status
			<p>mercury switches, electronic waste, and used oil. The Division provided educational outreach to small businesses and schools promoting P2 . Sixteen educational outreach presentations were performed for approximately 600 participants. In the areas of Safe Waste Management and Corrective Action, the Division continued to make progress toward national program goals.</p> <p>c. Continue working with EPA hazardous waste minimization programs to assure that P2 resources are appropriate to meet common goals. EPA and the Division will look for opportunities to publicize how state actions support national goals. Review, comment on, and utilize state hazardous waste generation profiles prepared by EPA to increase waste minimization and P2 efforts and successes and to meet other specific state needs. Identify opportunities to link waste minimization efforts to reductions in EPA's priority chemicals in RCRA waste streams generated within the state.</p> <p><b>STATUS: The Division accompanied EPA on inspections of priority chemicals and national initiatives.</b></p>

**GOALS AND OBJECTIVES  
DIVISION OF WASTE MANAGEMENT AND RADIATION CONTROL**

EPA Strategic Goal and Objective	EPA Strategic Measurement	DWMRC Goal	DWMRC Measure and Status
			<p>d. Administer an effective used oil recycling program.</p> <p>i. Track and evaluate the amount of used oil collected for recycling, particularly used oil collected from Do-it-yourselfers (DIYers).</p> <p><b>STATUS: Over 453,644 gallons of used oil were collected and recycled from January 2015 through December 2015.</b></p> <p>ii. Review and process semiannual DIYer reimbursements within established timeframes.</p> <p><b>STATUS: All reimbursements were processed in the established time frames.</b></p> <p>iii. Support and help to maintain a sufficient number DIYer collection centers to make it convenient for the public to recycle their used oil.</p> <p><b>STATUS: There are 403 used oil collection centers currently operating in Utah.</b></p> <p>iv. Provide current listing of collection centers via the Division Web site.</p> <p><b>STATUS: The web pages for Used Oil are updated on a regular basis.</b></p> <p>v. Document the number of new collection centers established during the fiscal year.</p> <p><b>STATUS: There were 9 new collection centers established from 10/1/15 to 9/30/16.</b></p> <p>vi. Maintain an effective Used Oil Block Grant</p>

**GOALS AND OBJECTIVES  
DIVISION OF WASTE MANAGEMENT AND RADIATION CONTROL**

EPA Strategic Goal and Objective	EPA Strategic Measurement	DWMRC Goal	DWMRC Measure and Status
			<p>Program to promote the recycling of used oil.</p> <p>A. Document the amount of funds awarded.</p> <p><b>STATUS: There were two grants awarded totaling \$2,451.31 from 10/1/2015-9/30/2016.</b></p>
<p>GOAL 3: Cleaning up Communities and Advancing Sustainable Development</p>	<p>Objective 3.2: Preserve Land. Conserve resources and prevent land contamination by reducing waste generation, increasing recycling, and ensuring</p>	<p>Minimize Releases of Hazardous Waste and Petroleum Products</p>	<p>Permits, Closure, and Post-Closure-</p> <p>e. Identify and evaluate supplemental environmental projects that are a part of a compliance action to determine their contribution to waste minimization and pollution prevention. Supplemental environmental projects contributing to waste minimization/pollution prevention will be reported to EPA.</p> <p><b>STATUS: Two SEP's both at Emerald Services for a total of \$46,492.</b></p> <p>a. Maintain effective hazardous waste permitting and closure/post closure programs.</p> <p>b. Maintain accurate information of the hazardous waste universe and status of hazardous waste facilities subject to closure requirements, post-closure permits, and operating permits. Provide the preceding information through automated data systems (RCRAInfo) for all required data elements by the 20th of the month following the</p>

**GOALS AND OBJECTIVES  
DIVISION OF WASTE MANAGEMENT AND RADIATION CONTROL**

EPA Strategic Goal and Objective	EPA Strategic Measurement	DWMRC Goal	DWMRC Measure and Status
	proper management of waste and petroleum products.		<p>activity.</p> <p><b>STATUS: Information is entered as required.</b></p> <hr/> <p>c. Provide appropriate hazardous waste closure/post-closure and permit response as dictated by case-by-case specifics, regulatory/statutory requirements, permit conditions, and program priorities. Appropriate responses may include, but are not limited to; closure plan approvals (RCRAInfo data element CL360), closure verifications (CL380), final post-closure permit determinations/issuances (PC200), and final operating permit determinations (OP200). Permit modifications (PC240) are as equally important as the preceding activities because they generally reflect upgrading or updating permit conditions resulting in operational improvements for permitted TSDFs in managing hazardous waste.</p> <p><b>STATUS: The Division completed:</b>  <b>13 Class 1 permit modifications,</b>  <b>5 Class 1 w/Director approval permit modifications,</b>  <b>6 Class 2 permit modifications,</b>  <b>1 Class 3 permit modification,</b>  <b>5 Temporary Authorizations, and</b>  <b>34 Emergency Permits ,</b></p> <p><b>The Division did not do any closure verifications this year.</b></p> <p><b>The Division committed to completing two permit renewals. The permit renewal for Safety Kleen was completed. The permit renewal for Dugway</b></p>

## GOALS AND OBJECTIVES DIVISION OF WASTE MANAGEMENT AND RADIATION CONTROL

EPA Strategic Goal and Objective	EPA Strategic Measurement	DWMRC Goal	DWMRC Measure and Status
			<p>Proving Grounds is ongoing. The Division issued a RCRA Hazardous Waste Treatment Permit to the Tooele South for the mobile Explosive Destruction System on August 5, 2015.</p>
<p>GOAL 3: Cleaning up Communities and Advancing Sustainable Development.</p>	<p>Objective 3.3: Restore Land. Prepare for and respond to accidental or intentional releases of contaminants and clean up and restore polluted sites for reuse.</p>	<p>Corrective Action-</p>	<p>a. Maintain effective hazardous waste corrective action program, including stabilization of environmental releases and cleanup of contaminated waste sites.</p> <p><b>STATUS: The Division maintains an effective hazardous waste corrective action program with a trained staff of scientists and engineers. See attached "Resources and Skill Levels" and "Training" documents.</b></p> <p>b. Maintain and update, as necessary, facility-specific corrective action information (universe identification and status) for hazardous waste facilities subject to corrective action, including site assessment, stabilization (accounting for health and environmental risk control measures), and regular corrective action process activities through staff interaction, correspondence and/or automated data systems (RCRAInfo). For</p>

**GOALS AND OBJECTIVES  
DIVISION OF WASTE MANAGEMENT AND RADIATION CONTROL**

EPA Strategic Goal and Objective	EPA Strategic Measurement	DWMRC Goal	DWMRC Measure and Status
			<p>RCRAInfo, all required data elements will be entered by the 20th of the month following the activity</p> <p><b>STATUS: Information entered as required.</b></p> <hr/> <p>c. Provide appropriate hazardous waste corrective action response as dictated by case-by-case specifics, regulatory/statutory requirements, permit conditions, or program priorities. Emphasis is on high priority facilities. Appropriate measures may include initial assessment of all TSDs in the corrective action universe including assessment completed (CA050), determination of the need for an RFI (CA070), and CA universe ranking (CA075)), RFI imposed (CA100), RFI approved (CA200), remedy selection (CA400), CMI construction completed (CA550), and corrective action process completed (CA999/RE).</p> <p><b>STATUS: The Division completed 0 CA100, 35 CA150s, 71 CA 200s, 69 CA400s, 69 CA550s, 1 CA900s and 65 CA999s.</b></p> <hr/> <p>d. Provide appropriate stabilization response as dictated by case-by-case specifics, regulatory/statutory requirements, permit conditions, or program priorities. Emphasis is on high priority facilities. Appropriate measures may include stabilization measures evaluation (CA225), stabilization imposed (CA600), stabilization construction completed (CA650), and stabilization process complete (CA999/ST)</p> <p><b>STATUS: Completed 0 CA225's, 0 CA600's, 2 CA650's, and 0 CA999/st's.</b></p>

**GOALS AND OBJECTIVES  
DIVISION OF WASTE MANAGEMENT AND RADIATION CONTROL**

EPA Strategic Goal and Objective	EPA Strategic Measurement	DWMRC Goal	DWMRC Measure and Status
			<p>e. In coordination with EPA Region 8, continue to evaluate annually and amend, as necessary, the facility-by-facility multi-year plan for corrective action activities</p> <p><b>STATUS: EPA was provided with a 2020 Corrective Action update in October.</b></p>
<p>GOAL 5: Enforcing Environmental Laws.</p>	<p>Objective 5.1 Enforce Environmental Laws.</p> <p>Region 8 will continue to support the multimedia Energy Extraction initiative and Regional health care sector initiative. EPA will coordinate with UDEQ prior to commencing any activities related to these initiatives.</p>	<p>By 2018, conduct 79,000 federal inspections and evaluations (5-year cumulative).</p>	<p>Compliance and Enforcement- Evaluate compliance status of solid waste, hazardous waste, and used oil handlers and facilities and foster an ongoing commitment to compliance and environmental protection through on-site inspections and compliance assistance activities.</p> <p>a. Update hazardous waste inspection universe and develop inspection schedule for FY 2016 by September 30, 2015. The selected universe and schedule will incorporate, as appropriate, state, regional, and national priorities. The selected schedule will also include 20% of the large quantity generator (LQG) universe as determined and agreed to by the Division and EPA using RCRAInfo as of September 1, 2015. The Region will develop its FY2016 Inspection schedule and submit to the Division by October 30, 2015.</p> <p><b>STATUS: Inspection schedule was developed as required.</b></p> <p>b. Complete targeted inspections by September 30, 2016.</p> <p><b>STATUS: See response under Goal 4(a) on page one. Both LQG and SQG inspection</b></p> <p>c. Participate in joint state and federal industry sectors initiatives.</p> <p><b>STATUS: Division staff accompanied EPA on inspections identified by federal sector initiatives.</b></p> <p>d. Continue implementation of the small quantity generator compliance assistance program in FY 2016.</p> <p><b>STATUS: There were 17 compliance assistance visits conducted.</b></p>

**GOALS AND OBJECTIVES  
DIVISION OF WASTE MANAGEMENT AND RADIATION CONTROL**

EPA Strategic Goal and Objective	EPA Strategic Measurement	DWMRC Goal	DWMRC Measure and Status
			<p>e. Provide facility specific compliance and enforcement information through the proper and timely entering of program data into automated data systems (RCRAInfo). <b>STATUS: The Division entered all information as required. The Division issued 11 informal warning letters, 10 formal warning letters, 1 NOV's and 3 SCO/CO's. In addition, the Division will collect, \$104,752 in penalties.</b></p> <p>f. Conduct periodic analysis of effectiveness of evaluation activities. This will consist of staff and/or facility contact and data systems reports to note areas of progress and areas of concern. <b>STATUS: Reviews conducted as required.</b></p> <p>g. Consider economic factors in determining penalties for violations.</p> <p style="padding-left: 40px;">i. Use EPA economic computer models to assist in evaluation.</p> <p style="padding-left: 40px;">ii. Use maximum flexibility when negotiating consent agreements to include consideration of financial viability of regulated party. <b>STATUS: Economic factors were considered in determining penalties. EPA models and flexibility were used where appropriate.</b></p> <p>h. Continue coordination of EPA Region 8's implementation of the CERCLA Offsite Rule (OSR). A regional implementation policy has been established and will serve as the basis for the Region's implementation of the OSR <b>STATUS: The Division coordinated with Region 8 as required.</b></p>

## GOALS AND OBJECTIVES DIVISION OF WASTE MANAGEMENT AND RADIATION CONTROL

EPA Strategic Goal and Objective	EPA Strategic Measurement	DWMRC Goal	DWMRC Measure and Status
			<p>i. EPA has identified Financial Assurance through the National Program Management Guidance as a priority for FY2016. Coordinate with the Region on financial assurance as appropriate. Should the Region or Headquarters identify a RCRA entity operating in several states with financial assurance compliance issues, EPA reserves the right to pursue compliance or enforcement activities with the identified operator in accordance with the Utah/EPA Enforcement Agreement.</p> <p><b>STATUS: The Division coordinated with EPA Region 8 and regularly participated in national financial assurance calls.</b></p> <p>j. The Region will continue to work with HQ and the State to define the anticipated universe for Mineral Processor and Mining priority inspection.</p> <p><b>STATUS: The Division coordinated with Region 8 as required.</b></p> <p>k. Utah will inspect at least 50 % of the active treatment ,storage and disposal facilities during FY 2016.</p> <p><b>STATUS: Inspections were completed as required. A total of 14 TSDF inspections were completed out of a total of 14 facilities.</b></p>
GOAL 3: Cleaning up Communities and Advancing Sustainable Development.	Objective 3.2: Preserve Land. Conserve resources and prevent land contamination by reducing waste generation,	Environmental Justice- The Division recognizes that incorporation of environmental justice into the RCRA regulatory program is a priority for EPA Region 8. Upon request, EPA will provide the Division access to Geographic	<p>a. Incorporate, as appropriate, environmental justice information in the administration of the hazardous waste program.</p> <p><b>STATUS: The Division considered environmental justice.</b></p>

## GOALS AND OBJECTIVES DIVISION OF WASTE MANAGEMENT AND RADIATION CONTROL

EPA Strategic Goal and Objective	EPA Strategic Measurement	DWMRC Goal	DWMRC Measure and Status
	<p>increasing recycling, and ensuring proper management of waste and petroleum products.</p>		<p>Information System (GIS) environmental justice tools; provide information to the Division on environmental justice grants; and share information about any available environmental justice resources. The Division may utilize EPA staff and GIS resources, as appropriate, in the implementation of the State hazardous waste program.</p>
<p>GOAL 3: Cleaning up Communities and Advancing Sustainable Development.</p>	<p>Objective 3.1: Promote Sustainable and Livable Communities. Support sustainable, resilient, and livable communities by working with local, state, tribal, and federal partners to promote smart growth, emergency preparedness and recovery planning, Brownfield redevelopment, and the equitable</p>	<p>Promote sustainable communities</p>	<p>State-Based Regulation of Environmental Programs-</p> <ol style="list-style-type: none"> <li data-bbox="1339 683 1992 927">1. Develop statutory and regulatory authorities to qualify for continued program authorization.  <b>STATUS: The Division completed work on a total rewrite of the hazardous waste rules and will be submitting a authorization package (Addendum 13) to Region 8 for approval in the first half of FY17.</b></li> <li data-bbox="1339 927 1992 1170">2. Adopt new hazardous waste, solid waste, and used oil rules promulgated by EPA to maintain regulatory equivalency and program authorization.  <b>STATUS: The Division is preparing Addendum 13 (see statement above) for submittal to EPA Region 8 for review. The addendum will include all federal rules finalized through October 2016.</b></li> <li data-bbox="1339 1170 1992 1445">3. Identify new federal hazardous waste rules promulgated during cluster period ending June 30, 2015 and which require adoption by the Solid and Hazardous Waste Control Board.  <b>STATUS: See above</b></li> </ol>

## GOALS AND OBJECTIVES DIVISION OF WASTE MANAGEMENT AND RADIATION CONTROL

EPA Strategic Goal and Objective	EPA Strategic Measurement	DWMRC Goal	DWMRC Measure and Status
	distribution of environmental benefits.		
GOAL 3: Cleaning up Communities and Advancing Sustainable Development.	Objective 3.1: Promote Sustainable and Livable Communities. Support sustainable, resilient, and livable communities by working with local, state, tribal, and federal partners to promote smart growth, emergency preparedness and recovery planning, Brownfield redevelopment, and the equitable distribution of environmental benefits.	Promote sustainable communities	<p>Partnership with Federal, State, Local and Tribal Governments-</p> <ol style="list-style-type: none"> <li>1. The Environmental Services Delivery Plan (ESDP) delineates roles and responsibilities, joint goals and objectives, and establishes accountability between the Division and local health departments and local governments. Effectiveness of the Environmental Service Delivery Plan in developing a state/local partnership, coordinating delivery of services, and obtaining adequate resources will be evaluated.               <ol style="list-style-type: none"> <li>a. Work with federal, state, local (including local health departments), and tribal governments and provide information to plan for and manage the environmental impacts of growth.                   <p><b>STATUS: The Division coordinated with federal, state and local governments as requested.</b></p> </li> <li>b. Provide technical and non-technical training to local health departments, industry, local governments, or other groups.                   <p><b>STATUS: The Division provided training as requested. The Division also provided online training for hazardous waste, used oil and waste tires to the LHD.</b></p> </li> <li>c. Focus on teamwork and partnership in identifying and resolving problems.                   <p><b>STATUS: The Division focused on teamwork and partnership to solve problems.</b></p> </li> <li>d. Address key problems identified by government partners and develop and implement solutions.</li> </ol> </li> </ol>

**GOALS AND OBJECTIVES  
DIVISION OF WASTE MANAGEMENT AND RADIATION CONTROL**

EPA Strategic Goal and Objective	EPA Strategic Measurement	DWMRC Goal	DWMRC Measure and Status
			<p><b>STATUS: The Division worked with its partners to identify problems and develop solutions.</b></p> <hr/> <p>2. Identify key hazardous waste management problems and implement a solution in partnership with local health departments, local government, the Division, and EPA.</p> <p><b>STATUS: Waste management problems and solutions were identified as appropriate.</b></p> <hr/> <p>3. Maintain positive relationship between the Division and local health departments.</p> <p style="padding-left: 40px;">a. Notify local health departments of any Division activities occurring in their areas of jurisdiction.</p> <p><b>STATUS: Local health departments were notified as appropriate.</b></p> <p style="padding-left: 40px;">b. Ensure directors of local health departments, or their designees, are copied on correspondence related to the Division activities associated with their area of jurisdiction.</p> <p><b>STATUS: See response to “a” above.</b></p> <p style="padding-left: 40px;">c. Meet with each local health department at least annually.</p> <p><b>STATUS: The Division Director attended the annual meeting with local health departments and the Department of Environmental Quality. The Division also participated in a meeting with the Environmental Health Officers.</b></p>

**GOALS AND OBJECTIVES  
DIVISION OF WASTE MANAGEMENT AND RADIATION CONTROL**

EPA Strategic Goal and Objective	EPA Strategic Measurement	DWMRC Goal	DWMRC Measure and Status
			<p>4. Inform local governments concerning the Division programs and activities in order to be able to comply with appropriate regulations and plan for future needs.</p> <p>a. Participate, when invited, with local government organizations, at regular seminars and training meetings, as well as respond to individual requests for information.</p> <p><b>STATUS: The Division participates when invited.</b></p> <p>b. Solicit input from local governments regarding proposed rules which could impact their areas of jurisdiction.</p> <p><b>STATUS: Proposed rules affecting local governments are sent to local governments for review prior to publication.</b></p>
			<p>5. Enhance the State/EPA partnership to ensure the management of a quality hazardous waste program.</p> <p>a. Maintain the MOA, the enforcement agreement, quality assurance plan for environmental data collection, and other operating guidance.</p> <p><b>STATUS: MOA was revised and signed during FY16.</b></p> <p>b. Jointly plan and prioritize program goals, objectives and activities which address joint priorities. The Division and EPA will work together on PPA development, program activities and priorities, inspection strategies, planning meetings, program reviews, and national assessments of major program</p>

**GOALS AND OBJECTIVES  
DIVISION OF WASTE MANAGEMENT AND RADIATION CONTROL**

EPA Strategic Goal and Objective	EPA Strategic Measurement	DWMRC Goal	DWMRC Measure and Status
			<p>elements.</p> <p><b>STATUS: The Division participated with EPA in prioritizing and planning program goals, objectives and activities.</b></p> <ul style="list-style-type: none"> <li>c. Maintain a high level of coordination and cooperation between state and EPA staff to assure successful and effective administration of the program. Coordination includes evaluation of desirable technical support and targets for joint efforts and work sharing.</li> <li>d. Maintain frequent and open communication on routine matters, changes in program capability, legislation, and resource levels, emergency situations, and other key activities as described in the MOA. EPA and the Division will hold regular meetings or conduct conference calls, at least quarterly, to share information, identify and solve problems, and engage in short-term planning efforts.</li> </ul> <p><b>STATUS: Conference calls were held as needed with the Region.</b></p> <ul style="list-style-type: none"> <li>e. Jointly identify state training and technical assistance needs. EPA will make training and technical assistance available to the state and will work towards improving the capability to provide high quality assistance.</li> </ul> <p><b>STATUS: When requested, the Region provided training as needed. The Department provides the Division with several opportunities a year for staff training.</b></p>

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UDEQ DIVISION OF WASTE MANAGEMENT AND RADIATION  
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<b>FY 2016 Hazardous Waste Program Commitments for STATE</b>		
<b>Event</b>	<b>FY 2016</b>	
	<b>Committed</b>	<b>Achieved</b>
<b>Closure Activities (Unit Level)</b>		
Closure Plan Approval (CL360) for LDUs	0	0
Closure Verification (CL380) for LDUs	0	0
Closure Plan Approval (CL360) for TSUs	0	0
Closure Verification (CL380) for TSUs	0	0
Closure Plan Approval (CL360) for CUs	0	0
Closure Verification (CL380) for CUs	0	0
Closure Plan Approvals Total (LDUs+TSUs+CUs)	0	0
Closure Verifications Total (LDUs+TSUs+CUs)	0	0
<b>Permit Activities at GPRA Universe Facilities (Facility Level)</b>		
Permitted Facilities under Approved Controls	0	0
Permit Renewals due*	2	1
Permit Activities Totals	0	0
<b>Permit Activities for GPRA Universe Facilities (Unit Level)</b>		
Controls in Place for LDUs on Closure Track	0	0
Controls in Place for LDUs on Operating Track	0	0
Controls in Place for TSUs on Operating Track	0	0
Controls in Place for CUs on Operating Track	0	0

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<b>Corrective Action Activities at GPRA Universe Facilities (Facility Level)</b>		
RCRA Facility Assessments (CA050)	0	0
Overall Facility NCAPS Ranking (CA075)	0	0
Facility Stabilization Assessment (CA225)	0	0
Facility Remedy Selection (CA400)	0	0
Facility Construction Completion (CA550) (GPRA measure)	0	0
Human Health Exposures Controlled Determination (CA725) (GPRA measure)	0	0
Groundwater Migration Controlled Determination (CA750) (GPRA measure)	0	0
CA Performance Standards Attained/CA Process Terminated (CA900/CA999) (GPRA Measure)	0	0
<b>Corrective Action Activities at GPRA Universe Facilities (Area Level)</b>		
RFI Imposed (CA100) (area level)	0	0
RFI Approved (CA200) (area level)	0	71
Remedy Selection (CA400) (area level)	0	69
Construction Completion (CA550) (area level)	0	69
Corrections completed (CA900CR) (area level)	0	1
Corrective Action Completed (CA999) (area level)	0	65

\*Permit Renewals Due this Strategic Period (FY14-FY18) =

Permit Renewals  
TEAD-N FY17  
Clean Harbors Clive FY17  
Dugway

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Corrective Action Activities (Area Level)

RFI Report Approval (CA200) for 6 Group 10 SWMUs at ATK Bacchus (SP-9, SP-11, SP-12, SP-14, S-29, and SA-5).

RFI Report Approval (CA200) for Group 1 SWMU S-11 at ATK Bacchus.

RFI Report Approval (CA200) for 2 Group 6 SWMUs (S-23 and S-34) at ATK Bacchus.

RFI Report Approval (CA200) for 3 SWMUs (649-Strand Burner Exhaust at Building M-585, 658-Sewage Evaporation Pond and 655-Building M-40) at ATK Promontory.

RFI Report Approval (CA200) for 60 SWMUs (waste accumulation sites) at ATK Promontory.

RFI Phase II Report Approval (CA200) for 9 SWMUs (1, 2, 3, 4, 7, 8, 9, 12 and 15) at Dyno Nobel Site B.

Remedy Selection (CA400) for 2 Group 4b SWMUs (BW-13 and SA-3) and Group 6 SWMU S-39 at ATK Bacchus.

Remedy Selection (CA400) for Group 4b SWMU BW-12 at ATK Bacchus.

Remedy Selection (CA400) for 3 SWMUs (649-Strand Burner Exhaust at Building M-585, 658-Sewage Evaporation Pond and 655-Building M-40) at ATK Promontory.

Remedy Selection (CA400) for 60 SWMUs (waste accumulation sites) at ATK Promontory.

Remedy Selection (CA400) for SWMU 2 at Tooele Army Depot - South.

Remedy Selection (CA400) for SWMU 30 at Tooele Army Depot - South.

Remedy Selection (CA400) for SWMU 37 at Tooele Army Depot - South.

CMI Construction Complete (CA550) for 2 Group 4b SWMUs (BW-13 and SA-3) and Group 6 SWMU S-39 at ATK Bacchus.

CMI Construction Complete (CA550) for Group 4b SWMU BW-12 at ATK Bacchus.

CMI Construction Complete (CA550) for 3 SWMUs (649-Strand Burner Exhaust at Building M-585, 658-Sewage Evaporation Pond and 655-Building M-40) at ATK Promontory.

CMI Construction Complete (CA550) for 60 SWMUs (waste accumulation sites) at ATK Promontory.

CMI Construction Complete (CA550) for SWMU 2 at Tooele Army Depot - South.

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CMI Construction Complete (CA550) for SWMU 30 at Tooele Army Depot - South.

CMI Construction Complete (CA550) for SWMU 37 at Tooele Army Depot - South.

Corrective Action Completed (CA999) for 2 Group 4b SWMUs (BW-13 and SA-3) and Group 6 SWMU S-39 at ATK Bacchus.

Corrective Action Completed (CA900CR) for Group 4b SWMU BW-12 at ATK Bacchus.

Corrective Action Completed (CA999) for 3 SWMUs (649-Strand Burner Exhaust at Building M-585, 658-Sewage Evaporation Pond and 655-Building M-40) at ATK Promontory.

Corrective Action Completed (CA999) for 60 SWMUs (waste accumulation sites) at ATK Promontory.

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## UDEQ DIVISION OF WATER QUALITY

### DWQ

Protect, maintain and enhance the quality of Utah's surface water and ground water to allow appropriate beneficial uses, and protect public health while giving reasonable consideration to economic impacts.

### EPA STRATEGIC GOAL 2: PROTECTING AMERICA'S WATERS.

Protect and restore our waters to ensure that drinking water is safe, and that aquatic ecosystems sustain fish, plants and wildlife, and economic, recreational, and subsistence activities.

### **UPDES ENGINEERING/PERMITS**

**EPA OBJECTIVE 2.1:** Reduce human exposure to contaminants in drinking water, fish and shellfish, and recreation waters, including source waters.

**EPA OBJECTIVE 2.2:** Protect and Restore Watershed and Aquatic Ecosystems.

Protect the quality of rivers, lakes, streams and wetlands on a watershed basis, and protect urban, coastal, and ocean waters.

Maintain an acceptable UPDES Program per agreement with EPA. The Utah Department of Environmental Quality (DEQ) shall fully implement and enforce its delegated UPDES program (including, as appropriate, general permitting, pretreatment, biosolids, CAFO, and storm water programs) as required by 40 CFR Parts 122-124, 403, 501 and 503, its delegation MOA July 7, 1987, SEA, Inspection Plan, and any other agreements with EPA regarding program implementation. The PPA may specify goals and objectives for activities beyond the base level of performance, but, in no way, should this be interpreted as relief from full implementation of the base program.

DEQ certifies that it has, maintains, and implements an adequate UPDES program including pretreatment, biosolids, CAFO, and storm water in conformance with federal and state laws and regulations and conditions set forth in program authorization (delegation) documents. As long as the DEQ maintains an adequate program, the EPA and the DEQ agree that this Agreement shall remain in effect, except as amended through mutual agreement.

Grant dollars awarded by the EPA may be used by the DWQ UPDES Program to perform core program activities to adequately maintain its UPDES program, even when these activities are not specifically defined by goals, measures, and/or reporting requirements.

Continue to fully implement the ongoing UPDES pretreatment, biosolids, CAFO, and stormwater management programs as per the following "CORE PROGRAM ACTIVITIES", "COMPLIANCE AND ENFORCEMENT ACTIVITIES" and "PERMIT ACTIVITIES".

### **UPDES Permitting and Outreach**

#### 1. Individual Permits

DWQ will report annually the number and percent of facilities that have a discharge requiring an individual permit that:

- a. are covered by a current UPDES permit (FY 2016 EOY Report, Edith)

***STATUS: 125 Individual permits, including 3 medium MS4 permits and 1 stand-alone Biosolids permit (Note that most Biosolids permits are not included herein, as they are combined with their respective Individual Municipal POTW permit).***

- b. have expired individual permits (FY 2016 EOY Report, Edith)

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**STATUS:** *As of 10/1/2016, there were 20 expired individual permits and 10 Biosolids permits that are expired due to the expiration of the corresponding POTW permit.*

- c. have applied for, but have not yet been issued an individual permit (FY 2016 EOY Report, Jeff Studenka or Kim Shelley)

**STATUS:** *There are two (2) facilities that have applied for individual permits, and these permits have not yet been issued as of 10/1/2016.*

- d. have individual permits under administrative or judicial appeal (FY 2016 EOY Report, Jeff Studenka or Kim Shelley)

**STATUS:** *There is one (1) facility that is currently under administrative appeal.*

### 2. Priority Permits

- a. Utah will continue to emphasize the development of permits which appear on the EPA Priority Permits list, specifically targeting the permit issuance commitments for the current fiscal year. (Jeff Studenka, Kim Shelley)

**STATUS:** *Completed and ongoing:*

- b. Each year, 95% of priority permits and 90% of all permits are issued or reissued within the 5 year statutory time frame. If the number of backlogged permits is greater than 30% at any time, provide an overall permit issuance/backlog reduction plan showing how the State will expeditiously reduce the backlog to 10% upon request from EPA. (FY 2016 EOY Report, Jeff Studenka or Kim Shelley)

**STATUS:** *Based upon our entire permit universe, our number of backlogged permits is significantly less than 30% (~5% as of 10/1/2016).*

### 3. Whole Effluent Toxicity (WET)

- a. Assure proper implementation of WET requirements in UPDES permits.
- b. Submit a draft WET policy to EPA by December 31, 2015.
- c. Following EPA's review and comment, revise Utah's WET policy and guidelines in order to assure alignment with EPA's national WET policy and/or regulations. Target 120 days following receipt of EPA's final comments. EPA Region 8 will notify DWQ when the EPA comments received are considered final. (Ongoing Mike Herkimer and Kim Shelley)

**STATUS:** *a completed and ongoing, b completed on December 23, 2015, c ongoing.*

### 4. Reasonable Potential Process

Utah will continue to implement the process/procedures for RP consistent with 40 CFR 122.44(d). By January 1, 2016, submit a final RP Policy to EPA. Once finalized, the State should implement the RP Policy in UPDES permits (Kim Shelley, Jeff Studenka, Dave Wham)

**STATUS:** *Completed and ongoing. Final RP Policy was submitted to EPA on October 17, 2015 and implemented in all UPDES permits drafted after January 1, 2016.*

### 5. Stormwater

- a. Involve regulatory agencies and the public as necessary to effectively permit storm water

## FFY2016 PPA END OF YEAR REPORT UDEQ DIVISION OF WATER QUALITY

discharges. The State program is accessible by the public and regulated entities (i.e., contact information and web sites, etc.). (Ongoing, Stormwater Coordinators, Jeff Studenka)

- b. Include EPA in the review process prior to issuing general permits for storm water discharges. (Ongoing, Stormwater Coordinators, Jeff Studenka)
- c. Upon request from EPA, provide a list of storm water sources associated with industrial activity, construction sites over one acre, and a list of designated storm water sources (including Municipal Phase I and Phase II) that are covered by a current individual or general UPDES permit or other enforceable mechanism. (Edith or Jeff Studenka)
- d. Continue outreach/education activities for the Phase II Storm Water Program. (Ongoing, all SW staff)

**STATUS: Completed and ongoing for a, b, c and d above.**

### 6. Pretreatment

- a. Provide EPA with the number and percent of local Pretreatment programs that have implemented Pretreatment Streamlining Regulations. (FY 2016 EOY Report Jen)
- b. Provide the number of categorical industrial users (CIUs) in non-approved pretreatment programs (FY 2016 EOY Report, Jen)
- c. Provide the number of CIUs in non-approved pretreatment programs permitted by the State. (FY 2016 EOY Report, Jen)
- d. Identify in ICIS the following Pretreatment Program statistics:
  - i. The number of significant industrial users (SIUs) that discharge to POTWs with approved Pretreatment Programs,
  - ii. The number of significant industrial users (SIUs) that discharge to POTWs with approved Pretreatment Programs that have adequate control mechanisms implementing applicable pretreatment standards and requirements. (95% coverage is the Regional commitment)
  - iii. The number of categorical industrial users (CIUs) that have adequate control mechanisms implementing applicable pretreatment standards and requirements in approved pretreatment programs. (Jen)

**STATUS: Item a, of the 21 pretreatment programs, 11, or 52%, have implemented streamlining requirements. The remaining 10 programs, or 48%, are working to incorporate the streamlining requirements into their legal authority. Item b, DWQ is aware of 2 CIUs in non-approved pretreatment program areas. Item c, of the 2 CIUs, one is permitted by DWQ and the other is prohibited by the POTW from discharging. Item d.i., there are 272 SIUs in approved pretreatment programs which includes zero discharging SIUs that are permitted by the approved pretreatment program. Item d.ii., 100% of SIUs that are required to have a permit are permitted. Currently, DWQ is aware of one SIU that is not permitted due to the POTW determination that the facility is not impacting the POTW, therefore no permit is needed at this time. Item d.iii., there are 168 CIUs that have adequate control mechanisms.**

### 7. Sewage Sludge (Biosolids)

Promote the beneficial use of biosolids and implement biosolids regulations.

- a. Provide the % and # of UPDES permits that contain biosolids language. (FY 2016 EOY Report, Dan Griffin, Edith)
- b. Maintain data in the ICIS database. (Ongoing, Dan Griffin, Edith)
- c. Reissue all biosolids permits which will expire in FY2016 and transition into consolidated permits as needed. (Ongoing, Dan Griffin)

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- d. Submit an End-of-Year report to EPA for the preceding calendar year containing a summary of DWQs actions under their biosolids program. Also include a list of facilities that beneficially reuse biosolids, methods of reuse and the tons reused. (Dan Griffin)

**STATUS: Item a, 100%, of individual UPDES permits for mechanical wastewater treatment plants include biosolids permit requirements (38 permits total). Items b and c, completed and ongoing. Item d, report will be transmitted to EPA separately.**

### 8. Concentrated Animal Feeding Operations (CAFOs) (Ongoing Don)

- a. Continue to implement "Utah's Strategy To Address Pollution From Animal Feeding Operations".
  - i. For all permitted CAFOs, if available, enter permit facility data, and permit event data into ICIS. (Ongoing, Don)
  - ii. Inform EPA of animal feeding operations that are impacting water quality annually (FY 2016 EOY Report, Don).
  - iii. Conduct and/or participate in meetings of the AFO/CAFO committee and maintain critical partnerships with NRCS, UACD, the Farm Bureau and the agricultural community.
  - iv. EPA will provide CAFO rule development updates, to keep DWQ informed.
- b. Maintain an inventory of all permitted CAFOs and unpermitted CAFOs during FY2017. Provide the inventory to the EPA upon request.
- c. Continue to implement the new EPA 2012 CAFO rules in Utah within FY 2017. (Ongoing, Don).
- d. After rule revision and issuance of the next CAFO permit, Nutrient Management Plans for permitted CAFOs once approved, shall be tracked in ICIS.

**STATUS: Completed and ongoing for a, b, c and d above.**

### 9. Utah Sewer Management Program (USMP)

Continue to implement a comprehensive state-wide permit program for the planning, operation and maintenance of all public wastewater sewer collection systems. Utah will report to EPA on the status of program implementation in the FY16 End of Year Report. (Kim Shelley and Jen Robinson)

*STATUS: Completed and ongoing. The information requested regarding USMP implementation will be transmitted in a separate report.*

### UPDES ICIS Data

#### 1. ICIS Data Management

Ensure maintenance of information management systems sufficient to plan, track, assess, and make adjustments to program activities.

- a. Properly enter data into the ICIS data system such that the federally required data fields are current. (Ongoing, Edith and Monique)
- b. Provide to the maximum extent practicable the RIDE elements required. This depends on information that is obtainable with the permittee's cooperation and economic restraints. (Ongoing, Edith and Monique)

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- c. ICIS data is entered accurately which includes permitting, compliance, and enforcement data. (Ongoing, Edith and Monique)
- d. Continue to report non-major facilities compliance data the same as majors through the ICIS data management system. (Ongoing, Edith and Monique)
- e. Track all inspections in ICIS. (Ongoing: Edith, Lonnie, Mike H.)
- f. Enter additional ICIS data, as listed in other parts of this document. (Ongoing, Edith and Monique)

**STATUS: For a, b, c, d, e & f above, all are current and ongoing within DWQ.**

### UPDES Compliance Evaluations & Inspections

1. Implement the Clean Water Act Action Plan

DWQ and EPA will work together to implement the Clean Water Act Action Plan to identify water quality issues of greatest concern for the State, and develop collaborative annual work plans to leverage both DWQ and EPA resources to address these issues. This will be accomplished through the Annual State/EPA UPDES Compliance Inspection Plan as approved for each fiscal year. DWQ and EPA will discuss progress toward meeting annual commitments at quarterly meetings.

**STATUS: Completed and ongoing with EPA.**

2. Annual State / EPA UPDES Compliance Inspection Plan

Coordinate inspection activities among programs and between the State and USEPA. Incorporate targeted USEPA national and regional priority sectors, as agreed upon between DWQ and USEPA. Consider planning inspections to complement timing and focus on watershed efforts. Inspections will be conducted in accordance with the mutually agreed to Annual State / EPA UPDES Compliance Inspection Plan (Inspection Plan), to the extent possible, incorporate the EPA NPDES Compliance and Monitoring Strategy (July 21, 2014).

- a. The Inspection Plan will include the universe of facilities subject to each CMS metric and number of compliance monitoring activities planned for the year.
- b. If the Inspection Plan commitments do not meet the inspection goals listed in the EPA NPDES Compliance and Monitoring Strategy, the Inspection Plan will include adequate detail for EPA to understand:
  - i. The overall approach proposed, including the rationale for any deviations and tradeoffs;
  - ii. A description of the affected regulated universe(s); and An explanation of how DWQ has determined that the resulting reduced/modified attention at certain facilities will not have negative public health or environmental impacts. In addition, the Inspection Plan should include the details always expected in a CMS plan (e.g., universe of facilities subject to each CMS metric and number of compliance monitoring activities planned for the year).
- c. DWQ will submit a draft Inspection Plan for FY16 by August 1, 2015, and the final Inspection Plan by September 15, 2015 or within 15 of days of receiving EPA's formal comments on the draft Inspection Plan if EPA comments are received later than August 31, 2015. (Lonnie, Mike H.)
- d. EPA may determine the number of inspections conducted at end of year (September 30, 2016) by DWQ in each category above by pulling this information from ICIS. Any inspections performed on or before September 30, 2016, but which do not appear in ICIS by October 31, 2016, will not be counted in the end of year numbers.

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- e. EPA Region 8 may conduct up to 4 oversight inspections with DWQ in FY16. Additional inspections EPA Region 8 may conduct are included in the agreed to the Inspection Plan. This includes inspections within EPA national and regional enforcement initiatives.
- f. Region 8 will ask DWQ to conduct single and/or multimedia inspections at federal facility NPDES majors with recurrent effluent violations. Region 8 will conduct these inspections if DWQ does not plan to conduct the inspections. Region 8 will ask authorized states to work with EPA to target federal facilities for multimedia inspections. DWQ will be asked to lead the NPDES portion of a multimedia inspection at the selected federal facility. If DWQ does not want to conduct the inspection, EPA will conduct the inspection in lieu of the State.
- g. During FY16, EPA Region 8 may perform inspections at all Federal Facility construction sites that have been awarded contract dollars for site construction, in cooperation with DWQ inspectors.

**STATUS: Completed and ongoing with EPA for items a thru g above.**

### 3. Sanitary Sewer Overflows (SSOs)

- a. Respond to SSOs when requested by districts, municipalities and local health departments or if waters of the State are threatened. (Ongoing Jen)
- b. Continue to inventory (ask questions of) permittees for SSO occurrences and resolutions through the Municipal Wastewater Planning Program (MWPP) questionnaire.
- e. Copies of SSO inspection reports will be provided to EPA upon request. (Ongoing Jen)
- f. In order to gain additional information regarding SSOs, and as an additional task during CEI inspections, DWQ will perform an enhanced inquiry with regard to the SSO history of the facility for the preceding year by utilizing an enhanced set of standard questions as developed cooperatively with EPA Region 8. (Ongoing, Mike Herkimer and Lonnie Shull)

**STATUS: Items a through d are completed and ongoing.**

### 4. Storm Water

- a. Continue implementation of MS4 permits which will ensure adequate sediment control inspections at local construction sites. This should increase the number of overall storm water inspections performed in the state. (Ongoing, Rhonda Thiele and Jeanne Riley).
- b. Encourage DWQ staff, District Engineers and municipal and county staff to assist with inspections as allowed by time and resource constraints. (Ongoing, all SW staff)

**STATUS: Completed and ongoing for a & b above.**

## UPDES Enforcement

### 1. QNCR and ANCR

During quarterly conference calls between EPA and DWQ, enforcement discussions will include the Quarterly Noncompliance Report for major facilities, Annual Noncompliance Report for minor facilities, and current and projected enforcement cases to address concerns early in the process.

**STATUS: Completed and ongoing**

### 2. DWQ Enforcement

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- a. EPA will identify and provide copies, if possible, of any policy or guidance documents used when evaluating the appropriateness of DWQ's enforcement actions. DWQ agrees to evaluate all violations and determine an appropriate response and take that action.
- b. DWQ will take timely and appropriate enforcement against facilities in Significant Non-compliance.
- c. DWQ will incorporate approved compliance schedules and deadlines into enforcement actions such that these schedules and deadlines are enforceable under the NOV/Order.
- d. As State resources allow, DWQ will work with EPA Region 8 to implement the National Wet Weather SNC Policy.
- e. Utah will take enforcement action for SSOs whenever deemed necessary to protect Waters of the State. SSO enforcement actions will be entered into ICIS NPDES as single event violations.
- f. Utah may submit an updated draft Enforcement Management System. EPA Region 8 will provide timely comments within 45 days of any submittal.
- g. DWQ will submit to EPA appropriate enforcement documents (NOVs/Orders, settlement agreements, etc.) upon request. (Ongoing DWQ Staff)
- h. A list of all completed enforcement actions including the name of the facility, type of action, penalty amount (if any), and type of facility shall be provided to the EPA with the EOY Report. The EPA may conduct a penalty review of a select number of actions, not to exceed ten. Upon request, DWQ will provide penalty calculations and all necessary background documentation to EPA for the selected enforcement actions, which will mainly focus in priority areas (e.g. cases in priority areas; MS4s, CAFOs, SSOs, and energy extraction). The EPA will provide written comments on any reviewed settlement documents and penalty calculations as part of the EOY Review. (Ongoing DWQ Staff)

**STATUS: Completed and ongoing for a thru h above. List requested in item h will be sent to EPA in a separate transmittal.**

#### 4. Sanitary Sewer Overflows (SSOs)

Submit to EPA Region 8 a report by October 31, 2016, with information for FY 15 that will include (Jen):

- a. Number of UPDES inspections at major facilities where SSO information was received.
- b. An updated SSO inventory and the causes of the SSOs.
- c. The number and percent of SSO inspections in priority watersheds (as defined by the State) including the name of the priority watershed.
- d. The number and type of informal and formal enforcement actions taken in response to SSOs;
- e. The percent of enforcement actions in priority watersheds (as defined by the State) for SSO; and
- f. A description of how 20% of the SSOs, that were reported, were addressed.

**STATUS: Information requested was submitted to EPA on December 14, 2016.**

#### 5. Whole Effluent Toxicity (WET)

Assure proper and consistent enforcement of WET requirements in UPDES permits.

- a. Enforce UPDES permit WET limits and compliance schedule violations in accordance with the enforcement guidance contained in its February 15, 1991 "Permitting and Enforcement Guidance Document for Whole Effluent Toxicity Control," and any subsequent revisions. (Ongoing Mike Herkimer)
- b. DWQ will submit as part of their FY2016 EOY report: a list of the facilities which are required to have WET limits or WET monitoring, a list of facilities that have entered into a

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TIE/TRE during FY16, and a list of any formal enforcement actions which included WET violations, (Mike Herkimer).

**STATUS: Item a is completed and ongoing. For item b, the requested list of facilities which are required to have WET limits/monitoring will be sent to EPA under a separate transmittal. Facilities which entered into a TIE/TRE in FY16 are Golden State Operating and Jordan Valley Water Conservancy District. No formal enforcement actions taken in FY16 included WET violations.**

### 6. EPA Enforcement

- a. DWQ understands that EPA Region 8 will continue to participate in and to initiate regional and national enforcement cases. In cooperation with DWQ, EPA Region 8 may perform inspections in regional and national priority areas according to national guidance. EPA may conduct inspections and issue enforcement actions as appropriate and will promptly advise, consult with, and coordinate with DWQ prior to such activity.
- b. Region 8 agrees to coordinate with and appropriately notify DWQ when it conducts any inspections and investigations.

### 7. 404 Enforcement Actions

EPA Region 8 will take the lead on 404 enforcement actions that have associated 402 violations, except where EPA determines combined cases may not be in the best interest of litigation.

## TMDL/WATERSHED

**EPA OBJECTIVE 2.2:** Protect and Restore Watershed and Aquatic Ecosystems.  
Protect the quality of rivers, lakes, streams and wetlands on a watershed basis.

1. Accomplish an effective program for completion and implementation of TMDLs.
  - a. Identify extent of priority areas that are addressed by EPA-approved TMDLs or alternative restoration approaches for impaired waters that will achieve water quality standards. These areas may also include protection approaches for unimpaired waters to maintain water quality standards (**WQ-27**).

DWQ commits to meeting the WQ-27 yearly target, mutually agreed upon with EPA once developed.

**STATUS: Priority waters for WQ-27 have been identified and entered into ATTAINS for tracking and reporting in FY17. Nine Mile Creek Temperature TMDL was scheduled for completion in FY16 but due to stakeholder input and concerns an additional round of review and comment were provided which delayed submission of the TMDL so it has been moved to WQ-27 for FY17.**

- b. Identify the State-wide extent of activities leading to completed TMDLs or alternative restoration approaches for impaired waters, or protection approaches for unimpaired waters (**WQ-28**). This is an indicator measure and does not require annual commitments.

**STATUS: Impaired waters identified for alternative approaches to TMDL development have been identified in the 303(d) Vision document in addition to protection approaches for unimpaired waters.**

- c. Submit a list of ongoing or planned TMDLs that will be completed in FY16 to EPA on November 1<sup>st</sup> of each year (Carl Adams).

**STATUS: Nine Mile Creek was originally scheduled for completion during FY16 but was delayed due to stakeholder input and concerns that required an additional round of review and comment**

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*prior to submitting the TMDL for Water Quality Board approval so it will be submitted to EPA for approval in FY17.*

2. Develop a prioritization strategy under the 303(d) Vision that will be used to identify:
  - a. A list of priority waters slated for near term (~2 year) TMDL development or alternative approaches;
  - b. A list of priority waters scheduled for likely TMDL development or alternative or approaches over the 2016 – 2022 period;
  - c. A list of priority waters awaiting management to protect their current condition from degradation during 2016 – 2022 (optional); and
  - d. The strategic rationale of the State in setting these priorities.

***STATUS: Utah's prioritization strategy has been finalized and presented in multiple public forums for review and input. The strategy is has been included in Utah's 2016 Integrated Report currently undergoing EPA review.***

Participate in calls and meetings with EPA to develop the Program Vision prioritization strategy, efforts to address the other 303(d) Vision goals, and progress in developing FY16 TMDLs and TMDL alternatives. (Ongoing Carl Adams)

3. Monitor implementation activities for completed TMDLs on a watershed basis through submission of annual reports by local watershed coordinators on August 31 of each year.

***STATUS: TMDL implementation tracking is ongoing by DWQ TMDL coordinators. Information on implementation activities is provided from several sources including 319 funded Local Watershed Coordinators, partner agencies such as the Utah Dept. of Natural Resources, Utah Dept. of Agriculture and Food, and NRCS' EQIP funding.***

4. Maintain sound fiscal management of contracts by tracking contract amount, expenditures to date and availability of funds to meet contractual obligations via quarterly reports. (Ongoing Carl Adams & Stacy Carroll).

***STATUS: Contract tracking is ongoing. Responsible staff coordinate on a regular basis to ensure sufficient funding is available to complete required work.***

5. Implement the Watershed Approach to effectively and efficiently support the development and implementation of TMDLs in Utah for impaired waters according to the approved 303(d) list (Watershed Protection Section).

***STATUS: Section Staff are actively implementing the watershed approach throughout the State in support of TMDL implementation and development activities. Focus areas for TMDL implementation in 2016 took place in the Sevier/Cedar/Beaver Watershed Management Unit (WMU). The targeted basin for 2017 is in the Bear River WMU. Current focus areas for TMDL development include finalizing Nine Mile Creek Temperature TMDL (currently in rule making) and Fremont River for E. coli.***

6. Continue to implement the Nonpoint Source Program based on strong State and local institutional capabilities using the Watershed Approach in support of TMDL development (Jim Bowcutt).
  - a. Conduct a comprehensive NPS program review preceding the update of the NPS Management Plan every five years beginning 2018. The next comprehensive review is due in 2017. (NPS Plan Task 16)
  - b. Update GRTS annually by entering annual progress report information according to December 31<sup>st</sup> deadlines. (NPS Plan Task 14)

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**STATUS:** *This task is ongoing and on schedule. The GRTS entry is being performed by Jim Bowcuttt, DWQ's NPS Coordinator.*

- c. Submit NPS Annual Report by January 31 of each year. (NPS Plan Task 15)

**STATUS:** *This task is ongoing and on schedule. Highlights from The NPS Annual report will be included in DEQ's State of the Environmental Report provided to local and state policy makers.*

- d. Foster program integration and interagency technical and financial assistance through participation on statewide partnership committees including: The Water Quality Task Force, the State Technical Advisory Committee, and the Utah Conservation Commission. (NPS Plan Task 32)

**STATUS:** *This task is ongoing. Quarterly Task Force meetings were held in 2016, and DWQ representation was present at each State Technical Advisory Committee meeting and Conservation Commission meeting, including several presentations on Utah's NPS and TMDL programs.*

- e. Obtain 319 project final reports from project sponsors and coordinate with EPA to obtain concurrence for grant closure in a 5 year time frame.

**STATUS:** *Closure of the FY-10 NPS grant was completed, and the process of closing the FY-11 and FY-13 funds has begun.*

- f. Implement best management practices appropriately and effectively and achieve natural resource improvements for 319 NPS Watershed Projects. Obtain available information of reductions in nonpoint source loadings for sediments, nitrogen and phosphorus, and improvements in water quality. Report load reduction and water quality information in project annual reports (GRTS), project final reports and NPS Program annual report. (WQ9)

**STATUS:** *This task is ongoing. Information is included in project final reports, in annual project evaluation reports, reported in the GRTS database and summarized in the NPS Program Annual Report.*

- g. Report the number of waterbodies identified (in 2000 or subsequent years) as being primarily nonpoint source (NPS)-impaired that are partially or fully restored. Target for FY-2016 is 1 watershed. (WQ10)

**STATUS:** *A WQ 10 success story has been submitted for the Fremont River.*

- h. Report the number of priority NPS watershed areas where USDA EQIP funds are used to implement conservation projects. Report allocation of EQIP funds to 303(d) waters and approved TMDL watersheds.

**STATUS:** *These data have been requested from NRCS and will be reported in the 2016 NPS Program Annual Report. In 2016 Water Quality Initiative funding was allocated to the Main Creek / Wallsburg watershed and Upper Sevier River watersheds.*

- h. Report the number of priority watershed coordinator positions developed and functioning according to DWQ contract work plans.

**STATUS:** *Seven local watershed coordinator positions are in place and functioning with contracts with DWQ. The Jordan River and Southeast Colorado coordinator positions are funded as part time / work share positions in cooperation with local sponsoring agencies. The remaining coordinator positions in the Middle/Lower Bear River, Upper Weber River, San Pitch River, Upper*

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*Sevier River and Upper Virgin River/Cedar Beaver watersheds are funded as full time positions. For FY17 the Upper Virgin River/Cedar Beaver watershed coordinator position will be moved to focus on the Provo River and Utah Lake watersheds.*

- i. Report the number of watersheds at the 12 digit scale improved (one or more impairment cause identified in 2002 is removed for at least 40 percent of the impaired water bodies or there is significant watershed-wide improvement in one or more water quality parameter). Target for FY 2016 is 1 watershed. **(SP12)**

**STATUS:** *A SP12 success story has been submitted for Strawberry Reservoir.*

### GROUND WATER PROTECTION

**EPA OBJECTIVE 2.1:** Reduce human exposure to contaminants in drinking water, fish and shellfish, and recreation waters, including source waters.

1. Maintain an effective 1422 Underground Injection Control Program per agreement with the EPA. The Utah Department of Environmental Quality, Division of Water Quality (Utah DWQ) certifies that it maintains and implements an adequate Underground Injection Control (UIC) Program under Section 1422 of the Safe Drinking Water Act (1422 UIC Program) in conformance with federal and state laws, regulations, and conditions set forth in program authorization (delegation) documents. As long as the Utah DWQ maintains a 1422 UIC Program, the Regional Administrator of the United States Environmental Protection Agency (USEPA) Region 8 and the Director of the Utah DWQ agree this Agreement shall remain in effect, except as amended through mutual agreement. Grant dollars awarded by the USEPA may be used by the Utah DWQ to perform core program activities (40 CFR Parts 144 and 147) to adequately maintain its 1422 UIC Program, even when these activities are not specifically defined by goals, measures, and/or reporting requirements. The Utah DWQ agrees to conduct core program activities as described in and as evidenced by the submittal of the UIC Program narrative included in the EOY Report (see Table 1).

**STATUS:** *Utah continues to implement an effective 1422 UIC Program. Following are summaries of FY 2016 activities:*

**Class I – There are currently no Class I wells in Utah and the UIC Program has not been contacted by anyone interested in permitting one.**

**Class III – Class III injection well activity is high in Utah.**

*Woodrow Campbell continues to oversee the Intrepid Potash solution mining permit.*

*Candace Cady has primary oversight of the Sawtooth NGL Caverns solution mining permit with back up from Woodrow as his schedule allows. Sawtooth now has 5 caverns for NGL storage.*

*Candace is working with Magnum Solution Mining to issue a major modification of their Class III permit to include the creation of caverns for refined products storage and compressed air energy storage (CAES) in addition to those for natural gas (NG) storage which were included in the original permit.*

*Pinnacle Potash International (PPI) submitted a Class III permit application several years ago but has not responded to deficiencies raised in our completeness review. Recently PPI has asked that two test wells be converted to Class III injection wells. DWQ is waiting for construction and testing details for these two wells to determine if they meet Class III requirements.*

*In February 2016 a representative for Sennen Potash contacted DWQ to discuss possible Class III permitting of the Monument Potash Project east of Monticello, UT on the Colorado border. The company has since abandoned this project.*

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*Lisbon Valley Mining Company, LLC operates a copper mine in San Juan County in SE Utah. In March 2016 Lisbon Valley contacted DWQ to discuss possible Class III permitting of an in-situ copper recovery project. Candace sent them the EPA Region 9 permit application and permit documents for the Florence Copper project in Florence, Arizona. We toured the facility in September 2016 and at that time Lisbon Valley indicated they would not be pursuing an in-situ copper recovery project until the price of copper increased.*

**Class IV – Banned Class IV wells are closed as they are identified and exempt Class IV wells are addressed through Utah’s CERCLA and RCRA programs**

**Class V – Class V wells comprise the largest number of injection wells in Utah.**

*Brianna Ariotti has primary oversight of Class V wells especially storm water drainage wells and subsurface environmental remediation wells. Brianna continues to coordinate with state local storm water regulators and the Utah Divisions of Environmental Response and Remediation and Waste Management and Radiation Control in her oversight of these injection wells.*

**Class V Aquifer Storage and Recovery (ASR) – The UIC Program oversees three Class V ASR permits. There are also several pilot ASR projects which the UIC Program authorizes by rule. There is no significant activity to report on any of these projects for FY 2016.**

**Frontier Observatory for Research in Geothermal Energy (FORGE) Enhanced Geothermal System – The UIC Program authorizes by rule this project for which funding was awarded to the Energy and Geoscience Institute at the University of Utah. The Utah Division of Water Rights has primary authority in the development of geothermal resources in Utah**

2. **Class VI – Utah does not have primacy to administer the Class VI program. However, Candace has been asked to participate in the CarbonSAFE Rocky Mountain Phase I project for which funding was awarded to the Energy and Geoscience Institute at the University of Utah.** The USEPA agrees to provide the following support to the Utah 1422 UIC Program:

- a. One annual midyear review of Utah 1422 UIC Program.
- b. Technical training, as appropriate and as funds allow.
- c. Seventy-five percent (maximum) of funds necessary to operate the core State 1422 UIC Program, assuming a federal budget funding level near or equal to the past three years. Should funding levels drop significantly, USEPA will review core program elements and provide appropriate revisions.

3. To protect Underground Sources of Drinking Water (USDWs) from contamination by maintaining and implementing an effective core program, the DWQ 1422 UIC Program agrees to:

- a. Evaluate the core program effectiveness as reported in the UIC Program narrative included in the EOY Report (see Table 1). . (Ongoing, Candace Cady)
- b. Enforce the 1999 Class V Rule regarding motor vehicle waste disposal wells (MVWDWs) and large capacity cesspools (LCCs). MVWDWs and LCCs are closed as they are identified. Priority is given to identifying these wells within groundwater-based source water protection zones as delineated by the Utah Division of Drinking Water, Source Water Protection Program. MVWDWs and LLCs identified, inspected and closed are included in the biannual submittal to the National UIC Database. (Ongoing, Candace Cady)
- c. **STATUS: Brianna Ariotti is working with the Utah Uniform Building Codes Commission to adopt an amendment to the International Plumbing Code, which Utah has adopted, to include the prohibition of motor vehicle waste disposal wells.**

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***Changes in building codes are adopted by the Legislature after receiving a recommendation from the Uniform Building Code Commission. The Uniform Building Code Commission is obligated under the Uniform Building Standards Act to have a public hearing regarding the proposed changes to the building codes. This public notice and scheduled public hearing are for the Uniform Building Code Commission to receive public comment on the proposed building codes prior to it making its recommendation to the legislative Business and Labor Interim Committee.*** Identify and report the number and percent of Class I injection wells that are used to inject industrial, municipal, or hazardous waste wells that fail mechanical integrity and maximize the number that are returned to compliance within 180 days, thereby reducing the potential to endanger USDWs.

The reporting requirements for this metric shall be fulfilled by the biannual submittal to the National UIC Database.

- d. ***STATUS: There are no Class I injection wells in Utah.*** Identify and report the number and percent of Class III injection wells that are used for salt solution mining that lose mechanical integrity and maximize the number that are returned to compliance within 180 days, thereby reducing the potential to endanger USDWs.

The reporting requirement for this metric shall be fulfilled by the biannual submittal to the National UIC Database.

**STATUS:** ***Utah has 3 active Class III facilities – Intrepid Potash – Moab, Sawtooth NGL Caverns and Magnum - and 1 pending – Pinnacle Potash.***

***None of Intrepid Potash's injection wells were due for their 5-year MITs this year.***

***Sawtooth NGL Caverns injection wells have had casing pressure tests conducted on each string of casing during construction and a casing shoe pressure test conducted on the last cemented 16" casing. A nitrogen/brine interface test is conducted on the 16" casing and the pilot hole before commencing solution mining and on the 16" casing and the cavern before commencing product storage.***

***Magnum has not yet begun to construct wells but we are undergoing a major permit revision to include refined product storage, compressed air energy storage (CAES) in addition to natural gas storage. MIT protocols appropriate for injection wells and their associated stored products will be included as permit conditions in the modified permit.***

***Pinnacle Potash International (PPI) still has an incomplete Class III permit application package. We will not be issuing a permit until deficiencies are met. Pinnacle has several stratigraphic test wells, constructed under the authority of the Division of Oil, Gas and Mining. They wish to have two of these wells considered for conversion to Class III injection wells. PPI has been instructed to provide all construction details and testing and monitoring conducted on these two wells so that DWQ can assess whether the construction standards of Class III wells were met. Cementing records will be assessed to determine adequacy in demonstrating external mechanical integrity.***

- e. Identify and report the number of Class V motor vehicle waste disposal (MVWD) wells and large capacity cesspools that are closed or permitted in sensitive ground water protection areas\* and maximize the number that are closed or permitted thereby reducing the potential to endanger underground sources of drinking water.

**STATUS:** ***The reporting requirement for this metric shall be fulfilled by the biannual submittal to the National UIC Database.***

\* Although Utah has not formally delineated "other sensitive ground water areas" throughout the state as defined by the December 7, 1999 final rule, the 1422 UIC Program will continue to prioritize the identification, reporting, and return-to-compliance of

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MVWDW and other high priority wells within Source Water Protection Zones and other areas, although not formally delineated, where risk to human health and vulnerability to ground water contamination is recognized.

- f. Ensure Utah UIC Program monitoring activities are performed according to the EPA-approved Utah DWQ Quality Assurance Plan.

***STATUS: Requirements for all monitoring not covered by the EPA-approved Utah DWQ Quality Assurance Plan are included in the corresponding UIC permits.***

4. Encourage responsible environmental behavior and promote excellence in environmental quality through environmental education, community-based partnerships and qualitative and quantitative feedback from regulated and non-regulated customers.
  - a. Provide a description of presentations to local government groups, local health departments, public works departments, private sector groups, civil groups, etc. which include UIC concerns and opportunity for feedback. (Reported in the UIC Program narrative included in the EOY Report – see Table 1– Candace Cady).

***STATUS: Brianna Ariotti gave the following presentations during FY 2016. Her presentations include general information about the UIC Program in addition to specific information about stormwater drainage wells and motor vehicle waste disposal wells.***

***APWA Storm Water Expo 10/2015***

***Clyde Companies 1/2016***

***Savage Corporation 2/2016***

***Associated General Contractors 4/2016***

***Utah League of Cities & Towns 4/2016***

***Brianna also attends the monthly Utah Storm Water Advisory Council (USWAC) meetings to inform local storm water regulators about UIC regulations.***

- b. Provide a description of all outreach activities intended to inform local government groups, local health departments, public works departments, private sector groups, civil groups, etc. about the 1999 Class V rule regarding the closure of motor vehicle waste disposal wells (MVWDWs), large capacity cesspools (LCCs) and any other outreach activities intended to inform the public and the regulated community about UIC Program requirements. (Reported in the UIC Program narrative included in the EOY Report – see Table 1 – Candace Cady).
5. ***STATUS: Brianna Ariotti includes information about the ban on motor vehicle waste disposal wells and large capacity cesspools in her presentations – see 4a above. She is also raising awareness of the ban through her engagement with the Utah Uniform Building Codes Commission – see 3b above.***
6. Electronic Submittal to the National UIC Database
7. ***STATUS: Biannual submittals to the National UIC Database were made on April 8, 2016 and November 19, 2016***
8. Utah DWQ currently maintains the 1422 UIC Program’s geodatabase with ArcGIS Desktop. All reporting elements previously submitted on the 7520 forms and the online PAM tool will now be submitted biannually through electronic submittal of the Utah UIC Geodatabase to the National UIC Database.

***Candace Cady continues to work with the Utah Automated Geographic Reference Center (AGRC) to complete the Utah UIC Program Succession, Transparency and Enhanced Performance (STEP) Project funded by an EPA Environmental Information Exchange Network grant awarded to AGRC in 2015 on behalf of the UIC Program. This project builds***

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*on the earlier successes in implementing the Utah UIC versioned, enterprise geodatabase by:*

- 1. developing a customized user interface (dashboard) to allow tiered access to the UIC geodatabase based on user need and function; and*
- 2. improving, automating and streamlining the processes used by UIC program staff for editing and running QAIQC checks on the versions of the geodatabase and for submitting the geodatabase to EPA to meet UIC program reporting requirements.*

**Table 1 - UIC Reporting Requirements\***

<u>Due Date</u>	<u>Reporting Cycle</u>	<u>Report Required</u>
<i>May 15</i>	Semi-Annual	Electronic submittal to UIC National Database for First and Second Federal Fiscal Year Quarters (October 1 through March 31)
<i>November 15</i>	Annual	Electronic submittal to UIC National Database for First, Second, Third, and Fourth Federal Fiscal Year Quarters (October 1 through September 30)  Utah DEQ End of Year Report to EPA (EOY Report)
<i>December 31</i>	Annual	Final Financial Status Report (FSR)

- 7 Continue administration of a comprehensive ground water protection program according to priorities established in Utah Ground Water Protection Strategy and the annual FY16 Division of Water Quality/Goals and Objectives.

**Measures:**

- a. End-of-year report as required by EPA grant on achievement of FY16 DWQ/Ground Water Program Goals and Objectives. (Dan Hall due 9-1-16)
- b. Continue participation in the Ground Water Protection Council National Ground Water Strategy Committee with EPA Headquarters, Regions, and States. The intent is to help EPA develop a national strategy for refocusing EPA and States efforts on ground-water protection. (Ongoing)

**STANDARDS AND TECHNICAL SERVICES**

**EPA OBJECTIVE 2.1:** Reduce human exposure to contaminants in drinking water, fish and shellfish, and recreation waters, including sources waters.

**EPA OBJECTIVE 2.2:** Protect and Restore Watershed and Aquatic Ecosystems. Protect the quality of rivers, lakes, streams and wetlands on a watershed basis, and protect urban, coastal, and ocean waters.

1. Implement an assessment program for the waters of the State through development and submission of the *Integrated Report (IR)*.

**Measures:**

- a. Submit the 2012/2014 IR to EPA for comment, review and approval of the §303(d) list of

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## UDEQ DIVISION OF WATER QUALITY

impaired waters.

**STATUS: Completed and approved by EPA on November 30, 2015.**

- b. Update the EPA Assessment Database, with modified assessment results from the 2012/2014 IR

**STATUS: Completed.**

- c. For the 2012/2014 IR work with EPA to modify all sources in ADB to “unknown”, so DWQ can populate the “unknown” fields with source information after a TMDL is completed.

**STATUS: Completed.**

- d. Report all statewide findings derived from randomly selected sites, using EPA’s Statistical Survey Web Data Entry Tool.

**STATUS: Ongoing. DWQ continues to work with EPA on submittal of statistical survey data and has been participating in a pilot for the new ATTAINS database to that end.**

- e. In collaboration with EPA, develop a plan for modifying analytical assessment methods and reporting for the 2016 IR. In particular, this plan will emphasize: revisions to assessment methods, better integration of the 305(b) report and 303(d) list with the ADB and Statistical Survey Web Data Entry Tool, edits to the text of reports to more effectively convey WQ status and concerns to our stakeholders, and changes necessary to accommodate DWQ’s tiered monitoring strategy and rotating basin schedule. Document these assessment method changes and submit them for formal public comment.

**STATUS: Ongoing. In 2106 DWQ issued Assessment Methods for public review. DWQ continues to work with EPA on submittal of statistical survey data and has been participating in a pilot for the new ATTAINS database to that end.**

- f. Develop and implement, to the extent practicable, a more consistent nomenclature and numbering system (i.e. HUC 10 and NHD+) for linking Assessment Units (AUs) with designated uses, water quality standards, and completed TMDLs. Update the ADB with any modifications to AU uses.

**STATUS: Ongoing. DWQ continues to work with EPA on updating ADB and tracking associated TMDL status.**

- g. Continue to develop more effective and transparent methods for tracking and documenting assessment analyses and results for the 2016 IR. This includes continuing to develop: methods and tools to clean and format IR data, a database to store IR data, and tools to automate IR analyses.

**STATUS: Ongoing. DWQ continues to improve internal data analysis processes and to document and share assessment methods with stakeholders through public review of the Assessment Methods.**

- h. Assess all readily available data for the 2016 IR.

**STATUS: For the 2016 IR, DWQ widened its access of available data to include USGS and other local sources of data.**

- i. Continue to revise the methodology and analysis tools for Targeted Monitoring.

**STATUS: Ongoing. DWQ developed methods and utilized the results of the 2014 IR to inform and refine the proposed monitoring for the Targeted Monitoring in the Uinta Basin**

- j. Research and develop, to the extent possible, a methodology for assessing high resolution (e.g., long-term time series) data.

**STATUS: DWQ developed a pilot assessment method for high frequency DO data as part of the Draft 2016 IR and intends to implement those methods for future assessment cycles..**

2. Maintain Water Quality Standards as the basis for effective water quality management and assessment programs.

### Measures:

- a. Continue to review and compile a list of potential water quality standards revisions to be included in upcoming 2017 triennial review, including: nutrient criteria appropriate modifications to Great

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Salt Lake standards) and new or revised 304(a) criteria recommendations.

**STATUS: The list of potential water quality standards revisions was maintained and modified in 2016 in preparation for the 2017 triennial review. Progress was made on developing numeric criteria for Great Salt Lake including work by DWQ contractors developing methods for bioassays conducting preliminary acute toxicity tests for brine shrimp and brine flies and the implementation of the interim guidance for UPDES permitting for all Great Salt Lake dischargers.**

- b. Revise Utah's nutrient (TN and TP) reduction strategy, including a plan for the development and implementation of numeric nutrient criteria.

**STATUS: DWQ is moving forward with the development and application of several nutrient reduction program elements. TN and TP headwater nutrient criteria that include numeric criteria and bioconfirmation responses were proposed. A technology-based effluent limit for TP was established in rule. Plans are in development for facility optimization for Total Inorganic Nitrogen reductions from Publically Owned Treatment Works (POTWs).**

- c. Continue to meet with Utah's Nutrient Stakeholder Workgroups on outreach efforts in support of Utah's nutrient reduction strategy.

**STATUS: Utah continues work on outreach efforts. DWQ has met with Utah's Technical and Core Nutrient Teams. Regular meetings occur with industrial, POTWs and NGO leaders who sit on the Core Nutrient Team. The Technical Team will conduct a final review of the technical basis for headwater nutrient criteria and an implementation plan that includes monitoring and assessment. Additional dialogue has occurred with several important stakeholder groups including the Utah Lake and Jordan River Commissions. DWQ has given numerous public presentations on various aspects of our Nutrient Reduction Program. A website ([www.nutrients.utah.gov](http://www.nutrients.utah.gov)) specific to these water quality programs continues to be updated on a regular basis.**

- d. Promulgate N and P numeric criteria for headwater streams.

**STATUS: DWQ is in the final stages of initiating rule making for Nutrient Criteria for headwater streams that include numeric nutrient criteria and bioconfirmation response criteria. The technical documents that support the headwater criteria are scheduled to undergo an EPA peer review. The rule package will also include an implantation plan.**

- e. Continue to collaborate with the water quality standards workgroup(s) of stakeholders and partners on continued WQS revisions.

**STATUS: The water quality standards workgroup met twice in 2016 (April 16 and October 17) to discuss potential revisions to standards and other pertinent guidance.**

- f. Develop and publicize a plan for implementing tissue-based criteria (i.e., and updated selenium criteria when promulgated).

**STATUS: EPA Region 8 is providing laboratory analysis for selenium concentrations in fish statewide. DWQ has compiled selenium concentration data statewide and has reviewed the Selenium implementation guidance.**

- g. Evaluate Utah waters for the historical presence of mollusks in preparation for adoption of Utah ammonia criteria based on EPA's 2013 ammonia criteria.

**STATUS: DWQ in partnership with the State of Colorado is working with researchers from Utah State University who are conducting a literature survey of the presence of mollusk in both Utah and Colorado.**

- h. Pending promulgation of new EPA rules on water quality standards variance policies, develop associated guidance for the utilization of variances with UPDES and other permitting programs.

**STATUS: Utah is developing policy and guidance for variances and have benchmarked with other states in light of the new EPA rules.**

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3. Development of rules, policies, and procedures to ensure protection of Great Salt Lake and its surrounding wetlands.

### Measures

- a. Continue to update and revise as necessary the Great Salt Lake Water Quality Strategy, Core Components 1 and 2.  
**STATUS: Implementation activities per Great Salt Lake's (GSL) Water Quality Strategy, Core Components 1 and 2 include: application of the interim guidance to UPDES permit renewals for Great Salt Lake dischargers, water quality sampling and analysis of GSL bays, and a preliminary assessment of recreational use support in Farmington Bay due to Harmful Algal Blooms in the 2016 Integrated Report**
- b. Develop draft of Great Salt Lake Water Quality Strategy, Core Component 3 on wetlands.  
**STATUS: Ongoing**
- c. Continue to implement the Great Salt Lake Baseline Sampling Plan within the requirements of the Quality Assurance Program Plan. Update the QAPP as needed.  
**STATUS: Samples were collected in each bay as outlined in the Great Salt Lake Baseline Sampling Plan following the GSL QAPP.**
- d. Continue numerous efforts to encourage collaboration among DWQs sister State and Federal agencies with related management responsibilities for GSL.  
**STATUS: DWQ is an active partner in GSL related activities including regular attendance at the following meetings/conferences: Division of Forestry, Fire and State Lands GSL Technical Team, Division of Wildlife Resources GSL Ecosystem Program Technical Advisory Group, legislative GSL Advisory Council, and the GSL Alliance. In addition, DWQ has actively coordinated and collaborated with governmental agencies for permitting responsibilities.**
- e. Continue toxicological testing of brine shrimp and brine flies in support of numeric criteria development for priority pollutants in GSL.  
**STATUS: DWQ continues to work with the researchers to conduct the toxicological testing of brine shrimp and brine flies. In cooperation with an EPA workgroup, 2016 was spent developing the appropriate methods to conduct the acute toxicity tests including refining the matrix.**
- f. Continue laboratory round robin investigations for analytical methods used to measure metals and nutrients in GSL.  
**STATUS: The laboratory round robin was completed in early 2016 and the laboratories were selected to perform metals and nutrient analysis of GSL water and brine shrimp tissue. DWQ continues to refine the methods for analysis by sending split samples to various laboratories.**
- g. Continue to collaborate with EPA on all major 401 water quality certifications in the Water of the U.S. with emphasis on expansion projects occurring in the Great Salt Lake Watershed including Compass Minerals, Kennecott Utah Copper, Union Pacific Railroad and West Davis Corridor.  
**STATUS: DWQ has collaborated with EPA on the major 401 water quality certifications including the issuance of the 401 certification for Union Pacific Railroad, the pre-project planning for Kennecott Utah Copper Tailings pond extension, and the ongoing selection of alternatives for the West Davis Corridor**

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## UDEQ DIVISION OF WATER QUALITY

- h. As resources allow, continue to develop and implement monitoring and assessment methods for GSL wetlands.

**STATUS: DWQ has Sampling Analysis Plans for both the impounded and fringe wetlands and developed methods to assess the wetland assimilative capacity and ecological integrity for specific fringe wetland areas that receive treated effluent from wastewater treatment facilities.**

- i. Modify Utah's Water Quality Standards whenever appropriate to accommodate ongoing development of water quality programs for GSL.

**STATUS: DWQ received a FY16-17 EPA Region 8 Wetland Program Development Grant to develop water quality standards for GSL wetlands. The development of water quality standards for GSL bays is ongoing including acute and chronic toxicity testing of brine shrimp and brine flies for priority metals that would apply to Gilbert Bay and the development of recreational and aquatic life use assessment methods for nutrients in Farmington Bay.**

- j. As resources allow, continue to develop and implement monitoring and assessment methods for GSL wetlands, including: analysis of the recently completed 50-site collection effort and development of fringe wetland SOPs.

**STATUS: DWQ completed Sampling Analysis Plans including refined SOPs for both the impounded and fringe wetlands and developed methods to assess the wetland assimilative capacity and ecological integrity for specific fringe wetland areas that receive treated effluent from wastewater treatment facilities.**

#### 4. Development of numeric nutrient criteria and associated implementation procedures.

##### Measures:

- a. Continue to develop numeric water quality indicators and/or criteria for phosphorous, nitrogen, and associated ecological responses (e.g., metabolism, macroinvertebrates, and algal responses) that have clear ties to aquatic life or recreation uses for Utah's waters.

**STATUS: DWQ's proposal for combined headwater nutrient criteria that includes numeric nutrient criteria and bioconfirmation criteria to protect aquatic life uses in headwater perennial streams was presented to Utah's nutrient core and technical team. Ecological Response parameters (bioconfirmation criteria) include filamentous algae cover, gross primary production and ecological respiration. DWQ will submit the technical documents that support the combined criteria for an EPA peer review and EPA approval.**

- b. Continue to incorporate nutrient-specific monitoring efforts to incorporate, where practical, functional ecosystem responses into Utah's long-term monitoring strategy. Include plans for the ongoing measurement of functional responses.

**STATUS: DWQ continues to measure both nutrients and ecological responses in lakes and streams statewide. Revisions to the field methods were made after a 2015 cooperative monitoring effort of headwater streams was conducted by DWQ, Utah Department of Agriculture and Food and the US Forest Service. An implementation plan that includes a nutrient-specific monitoring and assessment program is in development and will accompany the package that is submitted to EPA in support of forthcoming TN and TP criteria for headwater streams**

- c. Propose and promulgate numeric criteria for Utah's headwater streams. Finalize the technical rationale reports that underpin these criteria,

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**STATUS:** *A report that provides the underlying technical basis for headwater criteria is being updated post 2015 cooperative monitoring effort and will be submitted for an EPA peer review. Utah continues to work with EPA on finalization of this report and the proposal for headwater nutrient criteria. Formal recommendations are anticipated in mid-2017.*

- d. Continue to work with a focused stakeholder groups to on the development of nutrient criteria and associated implementation programs.

**STATUS:** *Utah continues work on outreach efforts. DWQ has met with Utah's Technical and Core Nutrient Teams. Regular meetings occur with industrial, POTWs and NGO leaders who sit on the Core Nutrient Team. The Technical Team will conduct a final review of the technical basis for headwater nutrient criteria and an implementation plan that includes monitoring and assessment. Additional dialogue has occurred with several important stakeholder groups including the Utah Lake and Jordan River Commissions. DWQ has given numerous public presentations on various aspects of our Nutrient Reduction Program. A website ([www.nutrients.utah.gov](http://www.nutrients.utah.gov)) specific to these water quality programs continues to be updated on a regular basis.*

- e. Develop implementation processes and associated rules (i.e., variance policy, temporary modification) for a comprehensive nutrient reduction program.

**STATUS:** *Utah is working on several aspects of these rules in concert with the upcoming 2017 triennial review of water quality standards. As an adaptive management step, the nutrient strategy includes technology based limits for municipal dischargers. A Technology Based Phosphorous Effluent Limit that limits future TP discharges to 1 mg/l must be achieved by January 1, 2020 (UAC R317-1-3.3) and facility optimization to remove Total Inorganic Nitrogen was encouraged in rule.*

- f. Continue to participate on TMDLs for nutrient-related impairments to ensure that, wherever possible, that the endpoint align with site-specific standard development.

**STATUS:** *Utah is working with the Nutrient Core Team to create a prioritization process for site specific standards. Nutrient related TMDLs were prioritized as part of the 303(d) vision process.*

5. Develop and implement a long-term biological assessment program :

### Measures:

- a. Maintain annual biological monitoring strategy that best balances the programmatic needs of stakeholders. Make the list of sites available for review and incorporated into the annual monitoring strategy.

**STATUS:** *Complete*

- b. Collect physical habitat, macroinvertebrate, and periphyton samples at ~74 streams annually to provide the data necessary to augment assessment tools and fulfill long-term (trend), natural variability (reference), restoration effectiveness, TMDL, 305(b), and 303(d) assessment needs. (May-October, 2016).

**STATUS:** *Macroinvertebrate and periphyton data were collected as part of the UCASE program. Physical habitat collection was deferred in 2016 to revamp the database and SOPs.*

- c. Continue to build capacity to digitize both field and biological data and store in a readily

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accessible database. Physical habitat database will emulate EPA design currently under construction. Create electronic field form linking collected data to database.

**STATUS: DWQ is restructuring the physical habitat database and is in the process of producing an electronic field form.**

- d. Develop modeled MMI from diatom data and integrate into existing aquatic life assessments.

**STATUS: This project is temporarily on hold. UT diatom data are compiled, national metrics have been obtained (although dated) and the taxa list is mostly current.**

- e. Continue compiling an expanded reference water body (streams and rivers) dataset for future assessment tool development.

**STATUS: On-going**

- f. Continue development of assessment methods that better integrate biological and chemical assessment methods to provide an overall assessment of aquatic life beneficial use support for Utah's streams.

**STATUS: Project continually in progress. Both biological and chemical assessment methods have been updated for the 2016 IR.**

Continue development of outreach materials (i.e., website, fact sheets, reports) to more completely describe Utah's biological assessment program to our stakeholders.

**STATUS: Project continually in progress. Website design and layout has been established.**

### MONITORING AND REPORTING

**EPA OBJECTIVE 2.1:** Reduce human exposure to contaminants in drinking water, fish and shellfish, and recreation waters, including sources waters.

**EPA OBJECTIVE 2.2:** Protect and Restore Watershed and Aquatic Ecosystems.

Protect the quality of rivers, lakes, streams and wetlands on a watershed basis, and protect urban, coastal, and ocean waters.

1. Continue phase-in of re-tooled Monitoring Program for Utah Division of Water Quality according to established schedules (WQ-5)

2. Conduct Tier 1 (probabilistic), Tier 2 (targeted) and Tier 3 (programmatic) monitoring on a rotating basin schedule

- a. Tier 1 Monitoring: Probabilistic

-Assess biological, chemical and physical integrity of waters of Colorado River Basin utilizing selected core and supplemental indicators (Summer/Fall 2015)

**STATUS: Deferred. DWQ staff is reevaluating the scale and design of its Statistical Survey and is planning on implementing changes in Summer of 2017.**

-Finalize National Rivers and Streams Assessment (Fall 2014)

**STATUS: Completed.**

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- b. Tier 2 Monitoring: Targeted
  - Complete intensive targeted monitoring in Weber River Watershed

**STATUS: Completed.**

- c. Tier 3 Monitoring: Programmatic

- 1. Continue to implement a statewide mercury in fish tissue monitoring component as part of the long-term monitoring strategy as funding is available. (Ongoing)
  - a. Utilize established workgroup to provide guidance and recommendations for the mercury monitoring program. (Ongoing)
  - b. Participate in the issuing of mercury fish consumption advisories as needed. (Ongoing)
  - c. Participate in triennial review preparations/discussion pertaining to Hg.

***STATUS: Ongoing***

- 2. TMDL monitoring
  - a. Discharge in large rivers (ongoing)

***STATUS: Ongoing***

- 3. Surface Water Compliance
  - a. Increased DMRs
  - b. Continue to Implement QUAL2K model sampling for permit renewal and wasteload development

***STATUS: Ongoing***

- 4. NPS Effectiveness Monitoring
  - a. Implement pilot study for Long-term monitoring stations to assess effects watershed restoration, long term trends and climate change

***STATUS: Ongoing. DWQ is currently developing a strategy for evaluating NPS effectiveness and develop Sampling Analysis Plans for watershed coordinators evaluating their project success.***

- 5. E. coli cooperative monitoring
  - a. Continue implementation of monitoring program for *E. coli* to facilitate more rigorous assessment of recreational beneficial uses ( ongoing)

***STATUS: Ongoing***

- 3. Fully implement quality assurance system for water quality division including QAPPs, SOPs, annual monitoring plans, and new documentation requirements for continuous monitoring.

- e. Implement overhauled quality assurance system for water quality division
  - 1. New documentation requirements for continuous monitoring stations will be developed as part of the scoping and planning of pilot study (Fall 2015)
  - 4. Develop and web post Annual Monitoring Plan to include schedule, site locations, monitoring activities, responsible entities, and special studies for meeting program objectives in the SMP. (Fall 2015)
- b. Training in revised SOPs and QAPPs (ongoing)

***STATUS: Ongoing***

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4. Complete development and initiate roll-out of data management tools based on WQX, AQWMS, ATTAINS
  - a. Data management tool roll-out and deployment within water quality division
    1. AWQMS: Ongoing testing and use by partners. Database populated with up-to date datasets and system in place for periodic uploads to WQX (ongoing)
  - b. Training

**STATUS: Ongoing. DWQ has brought the AWQMS database up to date through June 2016 and will continue to provide quarterly updates on more recent data.**

5. Integrate monitoring strategy elements to full operating levels, including publication of final monitoring strategy and annual monitoring plan for public comment; ongoing maintenance of cooperative monitoring/statewide monitoring council, and monitoring- related website elements
  - a. Finalize monitoring strategy and place on website for public comment (Fall 2015)
  - b. Continue promotion, chairmanship and support of the Statewide Monitoring Council to facilitate coordination of monitoring activities and special studies by local state and federal agencies as well as researchers and volunteer monitoring groups and provide the following services to members:
    1. Equipment and supplies
    2. Training
    3. Data management
  - c. Maintain water quality monitoring council website

**STATUS: Ongoing**

6. Finalize the Assessment Methodology for inclusion with the Integrated Report for final public comment (Winter 2015/16)

**STATUS: Completed.**

7. Complete Integrated Report analysis of water quality data for submission to EPA April 1, 2016
  - a. Work with Standards and Technical Services Section to develop Statewide Statistical Survey and Lakes Assessment Chapters.
  - b. Integrate Public Comments into final Report
  - c. Work with EPA to populate reporting tools (ADB)
  - c. Participate with EPA in ATTAINS development Pilot

**STATUS: Completed. After extensive review of public comments , DWQ submitted a final IR to EPA on December 7<sup>th</sup>, 2016.**

### SPECIAL STUDIES

### PLANNING AND DOCUMENTATION

- DWQ will update our monitoring strategy.
- DWQ will finalize the 2012/2014 IRs.
- DWQ will finalize reports for 2011 and 2012 Wetland Program Development Grants

**STATUS: Complete**

**FFY2016 PPA END OF YEAR REPORT  
UDEQ EXECUTIVE DIRECTOR'S OFFICE**

<b>EPA Goal and Objective EPA Measurement</b>	<b>UDEQ Goal</b>	<b>UDEQ Measure</b>
Supports all Strategic Goals  Cross-cutting Strategies: Strengthening Partnerships	<b>ENVIRONMENT</b>	
	<b>GOAL:</b> Provide an environmental vision for Utah and provide leadership for sustainable environmental quality	
	1. Provide leadership, communicate the expectations, and provide support activities to ensure that divisions and offices work together to resolve problems and address issues.	a. Application of operating principles and strategic thinking b. Mid-year reviews on critical issues  <b>STATUS: Accomplished and ongoing.</b>
	2. Customers perceive that UDEQ programs are fair and protective of health and the environment	Coordinated focus on environmental implications  <b>STATUS: Accomplished and ongoing.</b>
	3. Congressional and legislative goals are accomplished (get resources and laws we need)	a. 2016 Legislative and Budget priorities completed and distributed b. Coordinate with ECOS to ensure EPA budget is targeted to continue to fund core program needs <b>STATUS: Accomplished and ongoing.</b>
4. Targeted environmental programs and processes improved to meet needs of customers while still protecting environmental quality.	<b>STATUS: Accomplished and ongoing.</b>	
Supports all Strategic Goals	<b>STATE-BASED REGULATION OF ENVIRONMENTAL PROGRAMS</b>	
	<b>GOAL:</b> Administer environmental programs and priorities to reflect the unique conditions of Utah.	
Actively participate in State/EPA processes and ECOS efforts to reinforce federal/state partnerships and ensure support for state primacy efforts.	We provide leadership in ECOS and we work to strengthen the EPA/LHD working relationship <b>STATUS: Accomplished and ongoing..</b>	

**FFY2016 PPA END OF YEAR REPORT  
UDEQ EXECUTIVE DIRECTOR'S OFFICE**

<b>EPA Goal and Objective EPA Measurement</b>	<b>UDEQ Goal</b>	<b>UDEQ Measure</b>
<p>Supports all Strategic Goals</p> <p>Cross-cutting Strategic Goal: Strengthening Partnerships</p>	<p><b>PARTNERSHIP WITH FEDERAL, STATE, LOCAL AND TRIBAL GOVERNMENTS</b></p> <p><b>GOAL:</b> Improve the effectiveness and efficiency of statewide delivery of environmental services by strengthening relationships with all levels of government.</p>	
	<ol style="list-style-type: none"> <li>1. Advocate EPA-UDEQ-LHD partnership to address community issues. Local Health Departments/UDEQ Partnership Council.</li> <li>2. Identify policy issues and work for solution.</li> <li>3. Attend Local Health Officer and Environmental Health Administrators meetings to discuss UDEQ issues. Continue the Service Delivery Plan.</li> <li>4. Promote understanding and actions which recognize the importance of implementing workable environmental programs at local level through local government.</li> </ol>	<ol style="list-style-type: none"> <li>a. Identification of priorities/problem solving (track actions).</li> <li>b. Local Health Departments/UDEQ Partnership Council meets on an as needed basis.</li> <li>c. Delivery plans are revised and used as the workplan for the UDEQ/LHD contracts.</li> <li>d. Priorities are identified by community-based partnerships</li> </ol> <p><b>STATUS: Accomplished and ongoing.</b></p>
<p>Cross-cutting Strategies: Strengthening Partnerships</p>	<p><b>VI. ENHANCE POLICYMAKERS' UNDERSTANDING OF ENVIROMENTAL ISSUES</b></p> <p><b>GOAL:</b> Facilitate policymakers as proactive participants in shaping environmental policy</p>	
	<ol style="list-style-type: none"> <li>1. Support efforts to apprise Governor's office, Legislators, elected officials, and Board members of important environmental policy issues.</li> </ol>	<ol style="list-style-type: none"> <li>a. Governor, Legislators, Elected Officials, and Board Members are apprised of important environmental policy issues.</li> <li>b. Relationships with policymakers are developed and understanding of environmental issues enhanced.</li> <li>c. Policy makers work with UDEQ in development and implementation of environmental policy issues.</li> <li>d. Policy makers' trust in UDEQ is developed and enhanced.</li> </ol> <p><b>STATUS: Accomplished and ongoing.</b></p>

**FFY2016 PPA END OF YEAR REPORT  
UDEQ OFFICE OF SUPPORT SERVICES**

<b>EPA Goal and Objective EPA Measure</b>	<b>UDEQ Goal</b>	<b>UDEQ Measure</b>
Cross-cutting Strategy: Expanding the Conversation on Environmentalism	<b>I. ENVIRONMENT</b> <b>GOAL:</b> Partner with the Department and Divisions in planning and policy initiatives	a. Process for completion of FY2016 PPA is successfully coordinated and final document is submitted to EPA. <b>STATUS: PPA was completed and signed by DEQ and EPA</b> b. Process for completion of End-of-Year Report for FY 2015 PPA is coordinated with Divisions and is submitted to EPA. <b>STATUS: Required end of year report was completed by each Division/Program and submitted to EPA in December, 2015</b>
	1. Provide planning support for UDEQ initiatives and, on request, to statewide initiatives.	
Supports all Strategic Goals	<b>II. CUSTOMER SERVICE</b> <b>GOAL:</b> Operate as a customer-oriented agency by focusing on customer service, trust, and problem-solving through teamwork and partnership.	Goals are accomplished <b>STATUS:</b> <b>1. Close but was not finished because auditor left and position has not been filled.</b> <b>2. Auditor position is currently open.</b> <b>3. Accomplished – assistance is provided on request to Divisions.</b> <b>4. DEQ has dropped this item, due to fee change.</b> <b>5. This has been completed.</b> <b>Other Services:</b> This goal continues to be met.
	<u><b>Auditor</b></u> 1. Conduct audits of all major waste disposal fee facilities each year. 2. Perform internal audits as assigned by the Audit Committee. 3. Provide financial assurance assistance to Divisions 4. Monitor monthly waste fee payments. 5. Perform an annual review of the DEQ hourly fee for reasonableness.	
	<u><b>Other Services</b></u> Coordinate all GRAMA requests received and ensure each is answered in the allotted 10-day period of time.	
Supports all Strategic Goals	<b>III. STATE-BASED REGULATION OF ENVIRONMENTAL PROGRAMS</b> <b>GOAL:</b> Take an active role to help influence and develop rules and programs that are consistent with and help Utah achieve its needs.	

**FFY2016 PPA END OF YEAR REPORT  
UDEQ OFFICE OF SUPPORT SERVICES**

<b>EPA Goal and Objective EPA Measure</b>	<b>UDEQ Goal</b>	<b>UDEQ Measure</b>
	<u><b>OSS</b></u> Continue to provide the financial application for the Performance Partnership Grant.	Complete the PPG grant and all necessary amendments and changes within prescribed due dates. <b>STATUS: This goal was accomplished.</b>
Cross-cutting Strategy: Strengthening Partnerships	<b>IV. PARTNERSHIP WITH FEDERAL, STATE, LOCAL AND TRIBAL GOVERNMENTS</b> <b>GOAL:</b> Assist with ensuring effective delivery of environmental services through intergovernmental collaboration.	
	<u><b>Local Health Liaison</b></u>  1. Facilitate strong relationship between UDEQ and the Local Health Departments.	a. Participation in CLEHA, Local Health Officers' Association, Local Boards of Health, and UEHA meetings. b. Process for the one-year contracts is successfully coordinated and completed. d. Partnership meetings are effective and issues raised are tracked and resolved. <b>STATUS: DEQ was an active participant in CLEHA, Local Health Officer and UEHA meetings. One year contracts were successfully negotiated and signed. A Partnership meeting was held in January 2016. In addition, a monthly Governance meeting is held with DEQ and LHD leadership.</b>
Supports all Strategic Goals	<b>V. EMPLOYEES</b> <b>GOAL:</b> Fully utilize our major resource.	
	<u><b>Leadership Training</b></u>  Support UDEQ leadership development initiative.	1. Regular leadership-training classes are held. 2. Follow-up activities in sections and branches are facilitated, as requested 3. Individual employees are coached, as requested. <b>STATUS: 113 DEQ employees participated in at least one leadership workshop or meeting. A majority of that number participated in multiple activities. Follow up and coaching activities were held, on request.</b>

**FFY2016 PPA END OF YEAR REPORT  
UDEQ OFFICE OF PLANNING AND PUBLIC AFFAIRS  
POLLUTION PREVENTION AND STAKEHOLDER INVOLVEMENT**

EPA Goal and Objective	EPA Measurement	UDEQ Goal	UDEQ Measure
Cross-cutting Strategy: Expanding the Conversation on Environmentalism		<b>ENVIRONMENT</b>	
		<b>GOAL #1:</b> Partner with the Department and Divisions in planning and policy initiatives. 1. Provide public affairs support for UDEQ initiatives and, on request, to statewide initiatives.	As opportunities arise, UDEQ is represented in meetings and information is coordinated through appropriate Department channels. a. Assistance is provided in developing strategies to identify issues and encourage stakeholder participation. Informational and outreach support is provided. <b>STATUS: PPA and End of Year Reports were coordinated with EPA and submitted. Local Health Department contracts were coordinated and signed.</b>
Goal 4.2 Promote Pollution Prevention	Prevent Pollution and Promote Environmental Stewardship	<b>GOAL #2:</b> Facilitate integration of Pollution Prevention initiatives in UDEQ and throughout the State.	
		<b>Pollution Prevention Objectives:</b> 1. Improve environmental performance through adoption of sustainable practices that can be encouraged through the use of Environmental Management Systems (EMS), showcased through Clean Utah and shared with others on UDEQ websites. Promote P2 through award recognition in addition to Clean Utah.	a. Number of new Clean Utah participants including the new bronze track, and advancements to Partner or Leader level. <b>Status: Growth in Clean Utah has remained stagnant. Expanding recognition events to other businesses in addition to Clean Utah and actively involving DEQ leadership and the Small Business CAP is hoped to help with growth. One Partner member is actively working on advancement to Leader Level.</b> b. Number of EMS audits completed. <b>STATUS: 2 EMS Audits completed.</b> c. Pollution reductions realized through these efforts in business, industry, or other UDEQ regulated entity. <b>STATUS: Clean Utah Partner Annual Reports included:            Reduced MTCO<sub>2e</sub> with 18,488 MTCO<sub>2e</sub>; reduced 24.75 metric tons of NO<sub>x</sub>; reduced 338,334 lbs of hazardous chemicals from use in production, reduced water usage by 71,073,510 gallons; and Partners reported an Economic Benefit of</b>

**FFY2016 PPA END OF YEAR REPORT  
 UDEQ OFFICE OF PLANNING AND PUBLIC AFFAIRS  
 POLLUTION PREVENTION AND STAKEHOLDER INVOLVEMENT**

EPA Goal and Objective	EPA Measurement	UDEQ Goal	UDEQ Measure
		<p>2. Promote P2 practices and tools that are available to businesses through DEQ's BizHelp Webpage. P2 tools and resources will emphasize ways to reduce emissions and use of hazardous materials and conserve natural resources, including water and energy resources. Continue to participate as a planning committee member for the annual ISS, hosted by Weber State University. The ISS features keynote speakers, panel discussions, environmental credential workshops, and a trade show.</p>	<p><b>\$3,041,664 from programs implemented through Clean Utah.</b></p> <p>a. Number of web hits on DEQ BizHelp Webpages  <b>STATUS: 4610 web hits on BizHelp and Clean Utah pages. The Top Ten BMPs for Construction Site poster was updated.</b></p> <p>b. Number of attendees/surveys completed for annual ISS conference.  <b>STATUS: ISS was held March 24-25, 2016. Approximately 340 attendees.</b></p> <p>c. Number of new and ongoing partnerships.  <b>STATUS: New and ongoing partnerships included:</b></p> <p><b>New Partnerships: for Utah Paper Box and Leaders for Clean Air.</b></p> <p><b>Existing and Continuing Partnerships: Logan City Water, Jordan River Water Conservancy District, Mountainlands Association of Governments, Spanish Fork Public Works, and North Salt Lake Public Works Mountain Regional Water Special Services District, Riverton City Water, Logan City Water, Rural Water Association of Utah, VA Salt Lake City Hospital, Momentum Recycling, and Northrop Grumman Corporation, Salt Lake Chamber, StopWaste Organization, North Front Business Resource Center, Reusable Packaging Association, UDOT's TravelWise, 3form Materials Solutions, Specialty Lens and Horizon Milling, Utah Food Services, National Energy Foundation, Manufacturing Extension Partnership of Utah, Rocky Mountain Power, Clean Cities, Salt Lake City, Salt Lake County, Economic Development</b></p>

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EPA Goal and Objective	EPA Measurement	UDEQ Goal	UDEQ Measure
			<p>Corporation of Utah, Envision Utah, Utah Manufacturers Assn., Intermountain Health Care, University of Utah, Utah Office of Energy, Kennecott Land, Kennecott Utah Copper Operational Services, IM Flash Technologies, Big D Construction, Staker Parson Companies, Swire Coca-cola, Nucor Steel, National Energy Foundation, Utah Chapter of AWWA, Xanterra-Zion Lodge, Utah Transit Authority, Autoliv, Hexcel Corporation, Firestone Building Products, Circle Four Farms, Granite Construction, Red Hanger Cleaners, Weber State University, May Foundry, Tear-a-Part, USANA.</p>
		<p>3. Promote P2 practices and tools to reduce or eliminate storm water pollution generated by municipalities, including improving material practices that reduce the risk of releasing hazardous chemicals during a storm. Provide training opportunities as well as on-site technical assistance and dissemination of DEQ's Best Management Practices at Industrial &amp; Municipal Sites guide</p>	<p>a. Number of facilities adopting P2 plans or practices determined during follow-up compliance inspections. b. Number and type of sector-specific BMPs printed and distributed. <b>STATUS: Provided on-site technical assistance to 54 MS4s. Handed out approximately 250 BMPs at Industrial &amp; Municipal Sites and approximately 350 BMPs for Construction Sites guides. In addition, a Storm Water Pollution Prevention Checklist was developed for public works facilities and parks departments. The checklists include BMPs for chemical storage, spills, waste management, clean paved surfaces, floor drains, vehicle/equipment maintenance, vehicle/equipment washing, fueling, vehicle/equipment storage, and secondary containment.</b></p>
		<p>4. Promote energy efficiency actions to water utilities and sector-specific Best Management Practices.</p>	<p>a. Number of water utilities enrolling in RMP's wattsmart energy audit program. b. Number of energy efficiency case studies completed. c. Number and type of sector-specific BMPs printed and distributed.</p>

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			<p><b>STATUS: A new energy efficiency case study was developed for Jordan Valley Water Conservancy District and the Mountain Regional and Logan City case studies were updated. The new case study, in addition to existing three case studies, was showcased on January 21, 2016, at the Water &amp; Energy Nexus Forum. Approximately 400 individuals, including water utility staff attended the forum. Outreach was conducted to 25 water utilities. Outreach to water utilities was conducted near the end of the grant cycle, so no numbers are available on the number of water utilities enrolling in RMP's energy audit program.</b></p>
		<p>5. Track P2 grant spending and complete midyear and annual grant objectives</p>	<p>a. Grant objectives met.          b. State budget review and planning completed.          c. Positive feedback received from EPA and State grant/finance offices.  <b>STATUS: Grant proposal and annual reports submitted on time meeting the objectives of this grant.</b></p>
		<p>6. Support the Governor's Utah Clean Air Partnership (UCAIR) initiative by providing resources to implement strategies and providing calculators to measure emission reductions.</p>	<p>a. Assistance provided  <b>STATUS: U-CAIR is operating as 501c3 with P2 staff taking a collaborative role only.</b></p>
		<p><b>GOAL #3:</b> Promote a sustainable relationship between economic development and environmental protection by coordinating work with businesses and related organizations.</p>	

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		<p><b>Business Assistance Objectives:</b></p> <p>1. Facilitate UDEQ cross-media business assistance.</p>	<p>a. Businesses making phone or e-mail contact to PPA receive informational assistance.  <b>STATUS: Responded to requests for information and assistance through phone calls and email.</b></p> <p>b. Pre-design meetings are held.  <b>STATUS: Conducted four Pre-design meetings and one teleconference Pre-design meeting for a client of EDCUtah .</b></p> <p>c. Cross-divisional, sector specific focus in outreach activities developed and implemented, as appropriate.  <b>STATUS: Ongoing as opportunities and issues arise.</b></p> <p>d. Business assistance Web pages are regularly updated.  <b>STATUS: Ongoing.</b></p> <p>e. Opportunities are taken to encourage consistent business assistance policies within UDEQ.  <b>STATUS: Ongoing.</b></p> <p>f. Regular coordination with GOED, EDCU, business assistance providers, Chambers of Commerce, and professional associations.  <b>STATUS: Routinely coordinates with the Governor’s Office of Economic Development, Economic Development Corp of Utah, Utah Manufacturers Association, Chambers of Commerce and numerous other organization in providing resources and assistance. Participates monthly with EDCU Business Development on issue associated with DEQ and impacting new business development. GOED is notified of upcoming Pre-design meetings and invited to attend.</b></p>

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		2. Serve as Small Business Ombudsman for UDEQ.	<p>a. Air Quality Small Business Compliance Panel remains active and quarterly meetings are held.  <b>STATUS: Small Business CAP remains active with quarterly meetings and additional email and phone updates. CAP members are invited to participate in air quality planning initiatives.</b></p> <p>b. Availability of ombudsman is promoted on website and as part of informational presentations, as appropriate.  <b>STATUS: Information and contacts are provided on appropriate webpages. Ombudsman page updated and linked from DEQ Home page.</b></p> <p>c. Issues brought to ombudsman are appropriately handled.  <b>STATUS: Ongoing as requested.</b></p> <p>d. Opportunities are taken to encourage small business considerations in UDEQ policy development.  <b>STATUS: Tools and resources focused on small business needs. Small businesses are included in air quality planning initiatives to help understand their issues and work with them to design tailored solutions.</b></p> <p>e. Small businesses receive assistance with UDEQ permitting process and other programs as needed.  <b>STATUS: Ongoing through Pre-design and website and with an online tool, "Permit Wizard" on the DEQ website.</b></p> <p>f. Annual EPA Small Business Assistance Program report is completed.  <b>STATUS: Annual 507 Report was completed and submitted on time.</b></p>
Cross-cutting Strategy: Expanding the Conversation on Environmentalism		<b>CUSTOMER SERVICE</b>  <b>GOAL #4:</b> Provide public information and participation opportunities.	

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		<p><b>Public Education Objectives:</b> Design and implement issue-specific campaigns to inform and involve the public.</p>	<p>a. Proactively employ tradition and social media to inform public of issues and programs. b. Employ DEQ’s website as a databank of detailed, project-specific information. <b>STATUS: Facebook, Twitter, YouTube and Pinterest are frequently utilized to promote DEQ initiatives and programs. The DEQ Blog (Initiated April 8, 2014) continues to address environmental issues in the news with weekly posts contributed from DEQ Staff and invited guests. DEQ Branding efforts continue and now are expanding to a refresh of DEQ’s website with focus on improving navigation as well as providing uniform and transparent messaging.</b></p>
		<p><b>Stakeholder Involvement Objectives:</b> As needed, prepare and implement public involvement plans for specific projects and programs.</p>	<p>a. Plans are developed and implemented in conjunction with program or project manager. b. Evaluation of the plan, including stakeholder feedback, is conducted during and at the conclusion of the project to gauge success. <b>STATUS: Ongoing as needed.</b></p>
<p>Cross-cutting Strategy: Expanding the Conversation on Environmentalism</p>		<p><b>Media Relations Objective:</b> 1. Assist PIO with UDEQ media relations. 2. Utilize UDEQ’s Web site to proactively highlight issues and keep it current and relevant.</p>	<p>a. PIO back-up is provided. b. UDEQ media policy is followed. <b>STATUS: OPPA works with webmaster and Divisions to create and update online and hard copy information and outreach materials. OPPA also coordinates with Local Health Departments by attending quarterly PIO meetings.</b></p>
		<p><b>Branding Objective:</b> Define and establish DEQ’s brand to help the public better engage with DEQ.</p>	<p>a. Create the visual impression of DEQ’s brand <b>STATUS: The Utah Department of Environmental Quality (DEQ) announced the development of a new branding strategy at the end of 2014 which included a modernized logo as a part of the agency’s effort to address misconceptions regarding the agency’s purpose, and to promote public awareness of its mission and work. Utah DEQ continues to expand the branding campaign with the focus now moving towards a refresh of</b></p>

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		<p><b>DEQ's website and an evaluation and modification of the Mission, Vision and Values statement. The goal of the refresh with both the website and the Mission Statements is to continue to improve messaging, both internally and externally, and to improve both transparency and uniformity of message.</b></p>	

## GOALS AND OBJECTIVES STATE INDOOR RADON GRANT

EPA Goal and Objective	EPA Measurement	DEQ Goal	DEQ Measure
<p>Goal 1: Improve Air Quality</p>	<p>Reduce Exposure to Indoor Air Pollution Promoted RRNC within the Builders by working to get Appendix F adopted as Building Code Assisted Habitat for Humanity and GHHI with building RRNC and mitigating.</p> <p>Did attend the AARST/NRPP conference in the Fall and made many contacts and gained knowledge from many of the classes.</p>	<p>Continue the fundamental activities regarding the EPA Radon Grant.</p>	<p>1. <b>Promote new home construction with radon resistant technology.</b></p>
			<p>a. Promote and distribute information about radon resistant building technology to builders throughout the state. Display radon information and distribute discounted test kit coupons at the 2016 Spring Home Builders Annual Conference.</p>
			<p>b. Conduct at least three educational training courses entitled, "Radon Resistant New Construction." The course will offer continuing education core credits by the Utah Department of Commerce, Division of Occupation and Professional Licensing (DOPL) and will be held throughout various areas of the state.</p>
			<p>c. Promote Radon Resistant New Construction by reaching out to Utah home builders through personal contacts, educational courses, advertising, and home show exhibits.</p>
			<p>d. Assist Utah Habitat for Humanity in its building projects by providing RRNC training. Assist Green and Healthy Homes with providing mitigation and RRNC training.</p>
			<p>e. Recognize and acknowledge home builders who are building RRNC homes in Utah via the DRC website, public events, and/or at Radiation Control Board meetings.</p>
			<p>f. Respond to opportunities provided by national radon organizations such as the American Association of Radon Scientists and Technologists (AARST) and the Conference for Radiation Control Program Directors (CRCPD) to attend national radon meetings and submit comments on radon standards (RRNC 2.0).</p>
			<p>2. <b>Support disclosure, testing and mitigation in conjunction with Real Estate transfers.</b></p>
			<p>a. Conduct at least three educational training courses entitled, "Radon for the Real Estate Professional." The courses will offer continuing education core credits by the Utah Department of Commerce, Division of Real Estate (DRE) and will be held throughout various areas of the state.</p>
			<p>b. Coordinate annual meetings for radon mitigators, measurement providers, and home inspectors to clarify EPA standards and protocols.</p>
			<p>c. Recognize and acknowledge Realtors who are radon educated on the DRC website.</p>
			<p>3. <b>Develop coalitions with local governments, partner affiliates</b></p>

## GOALS AND OBJECTIVES STATE INDOOR RADON GRANT

EPA Goal and Objective	EPA Measurement	DEQ Goal	DEQ Measure
			<p><b>and other radon risk reduction leaders.</b></p> <p>a. Continue working with Utah's 12 local Health Districts in promoting public outreach. Encourage area outreach activities such as disseminating information packets on radon, distributing radon test kit coupons, and conducting radon educational presentations, and testing radon levels in schools.</p> <p>b. Continue working with the Huntsman Cancer Institute in raising awareness in the state. Outreach activities will include attending the 2016 University Health Care Be Well Utah Family Health Fair.</p> <p>c. Conduct outreach activities with the Utah Department of Health, Utah Cancer Action Network (UCAN), CanSAR, and the American Lung Association to promote radon awareness, radon testing, and mitigation.</p> <p>d. Provide assistance when requested by tribal organizations throughout Utah (specifically, the Piute tribe and the Shoshone tribe).</p> <p>e. Continue partnership with Intermountain Health Care (IHC) and other women/newborn centers by supplying hospitals with newborn radon packet information, which started December 2003 (FY04)</p> <p>f. Develop coalition with the Green and Healthy Homes Initiative (GHHI) Salt Lake Coalition to do radon testing in unhealthy homes throughout Salt Lake County.</p> <p>g. Provide radon education to the public through the National Radon Poster Contest, National Radon Action Month activities, DRC website, press releases, media appearances and advertisements, Governor's Declaration, school science projects, and scout eagle projects.</p> <p>h. Promote state radon legislation as opportunities arise.</p>
			<p><b>4. Determine (track) and measure results with respect to awareness levels, testing frequency, mitigation, and radon resistant new construction.</b></p> <p>a. Continue to track local and national media articles about radon and the health hazard associated with exposure to elevated levels.</p> <p>b. Continue to track educational opportunities to reach out to the general public, real estate professional, and homebuilders (see measures 1-2).</p> <p>c. Continue to track phone calls, visits on the DEQ Radon website (<a href="http://www.radon.utah.gov">www.radon.utah.gov</a>), and email inquiries.</p> <p>d. Continue to track and report the number of homes tested for</p>

## GOALS AND OBJECTIVES STATE INDOOR RADON GRANT

EPA Goal and Objective	EPA Measurement	DEQ Goal	DEQ Measure
			<p>radon by currently listed radon measurement service providers, mitigation providers, and laboratories.</p> <p>e. Continue to track and provide annual reports of the number of homes built with RRNC, based on information provided by local home builders.</p> <p>f. Continue to track free radon test kit orders that come through the IHC newborn radon packets.</p> <p>g. Continue to track the number of homes mitigated quarterly by radon mitigation service providers.</p> <p><b>5. Testing and, where necessary, mitigating schools for radon and radon decay progeny.</b></p> <p>a. Educate School District Administrators about the health hazard associated with exposure to radon and promote radon testing in schools.</p> <p>b. Provide discounted radon test kits to school districts for testing, as requested.</p> <p>c. Continue assisting school districts with education and radon testing programs.</p> <p>d. Solicit school districts to participate in National sponsored "Radon in Schools" Webinars.</p>